

Attachment B-9

**Lithologic Details for the INTEC Shallow
Perched Water Coreholes**

Well: 33-1

Core, 1991

0 to 48: Alluvium

48 to 55: Basalt Flow

55 to 65: Basalt Flow
58- wet during drilling

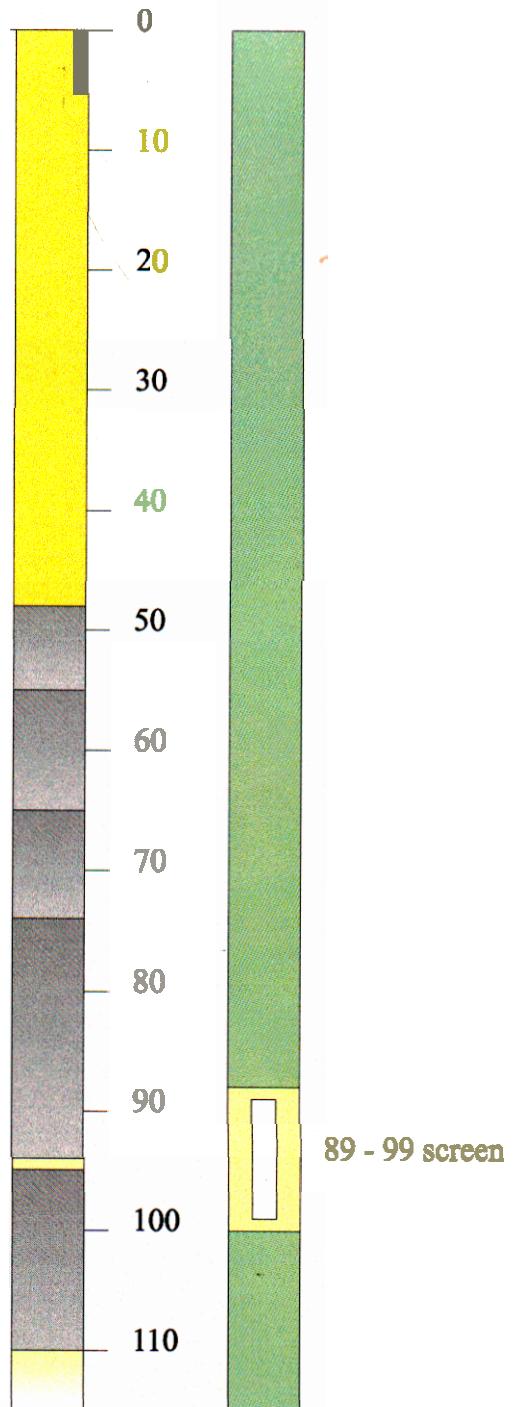
65 to 74: Basalt Flow
68- wet during drilling

74 to 94: Basalt Flow
79- damp to wet during drilling

94 to 95: Silty Clay

95 to 110: Basalt Flow

110 to 114+: Silty Clay



Well: 33-2

Core, 1991

0 to 41: Alluvium

41 to 44: Clay, moist

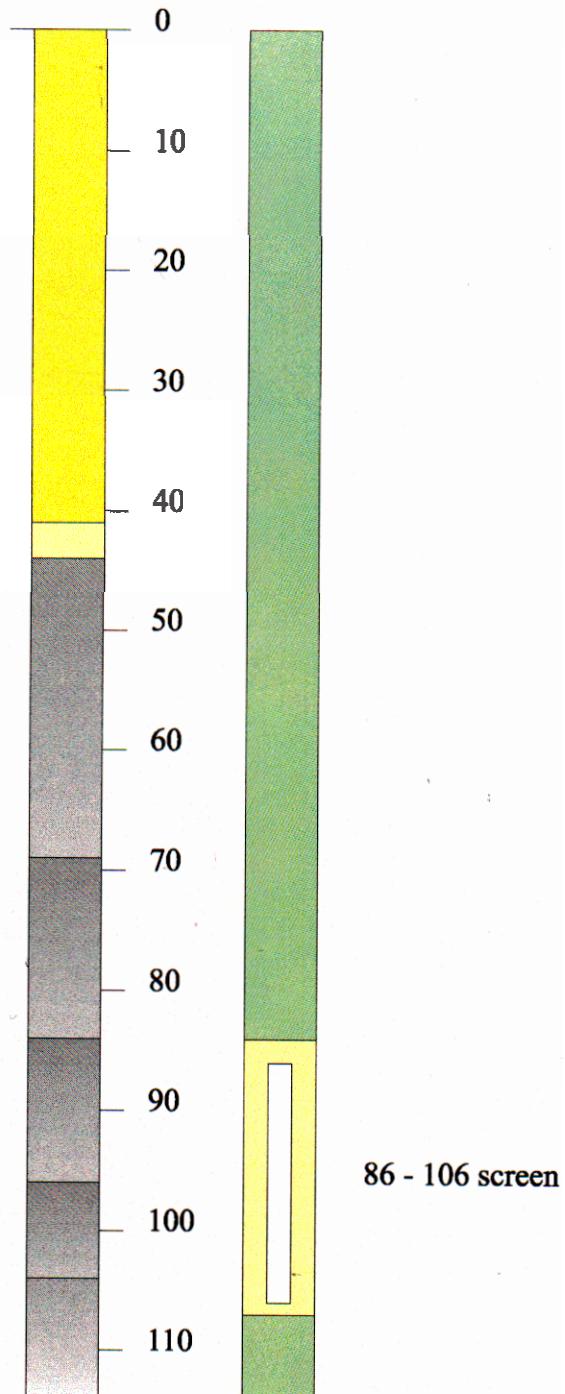
44 to 69: Basalt Flow

69 to 84: Basalt Flow

84 to 96: Basalt Flow
96- wet during drilling

96 to 104: Basalt Flow

104 to 114+: Basalt Flow



Well: 33-3

Core, 1990

0 to 46: Alluvium

46 to 94: Basalt Flow

81 to 94- moist to wet during drilling

94 to 97: Basalt Flow

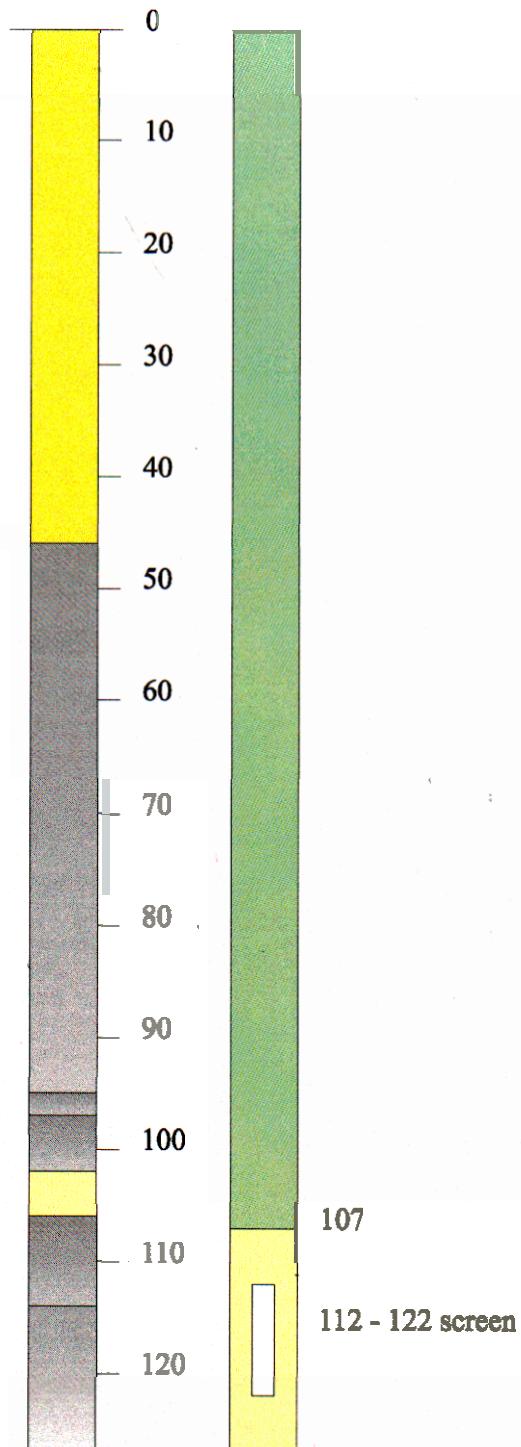
97 to 102: Basalt Flow

102 to 106: Core Loss (Interbed)

106 to 114: Basalt Flow

114 to 127+ Basalt Flow (CD?)

117 wet during drilling



Well: 33-4

Core, 1990

0 to 34: Alluvium

34 to 58: Basalt Flow

58 to 67: Basalt Flow
58- wet during drilling

67 to 78: Basalt Flow
68- wet during drilling

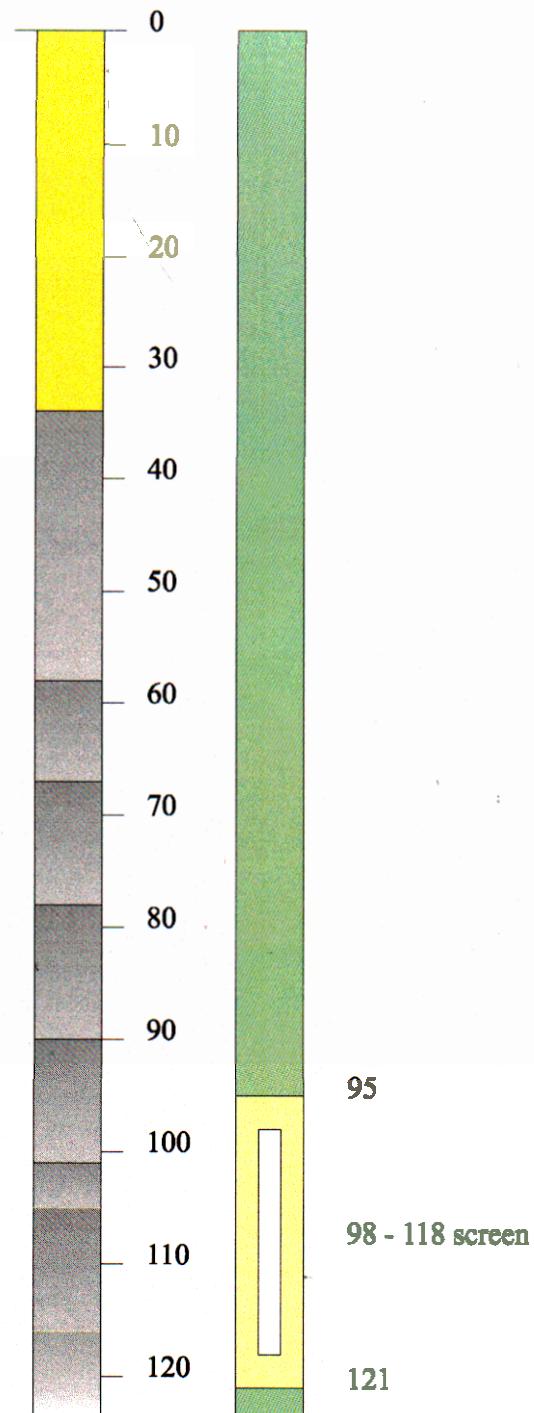
78 to 90: Basalt Flow
78- wet during drilling

90 to 101; Basalt Flow

101 to 105.4: Basalt Flow
105.4 to 105.6: Clay
105.6 to 115.7: Basalt Flos

115.7 to 116.3: Silty Sand

116.3 to 124+: Basalt



Well: 33-4A

Core, 1990

0 to 38: Alluvium

38 to 40: Silt, moist

40 to 50: Basalt Flow

50 to 51: Fine Sand

51 to 67: Basalt Flow

67 to 75: Basalt Flow

75 to 101: Basalt Flow

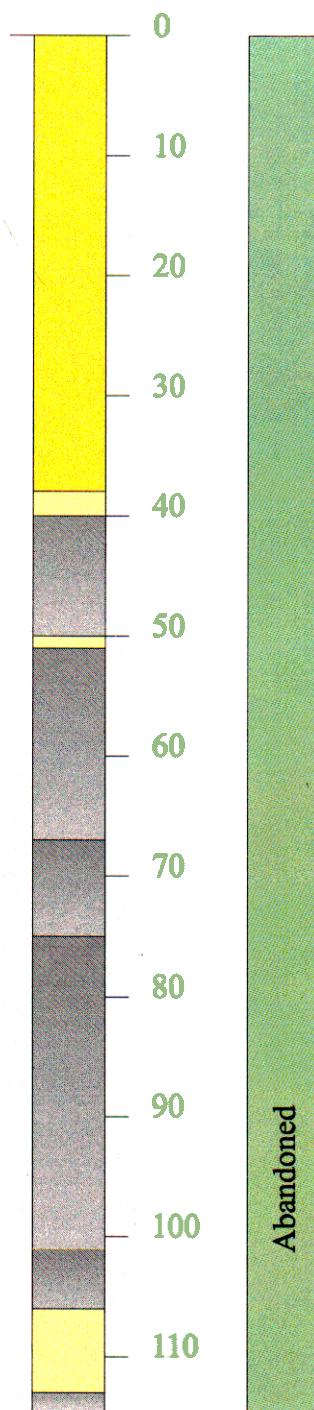
85- wet during drilling

100.9 to 101.1 Silt

101 to 106: Basalt Flow

106 to 113: Silt

113+: Basalt



Well: 33-5L

Core, 1991

0 to 36: Alluvium

36 to 51: Basalt Flow

51 to 60: Basalt Flow

60 to 66: Basalt Flow
65- wet during drilling

66 to 81: Basalt Flow

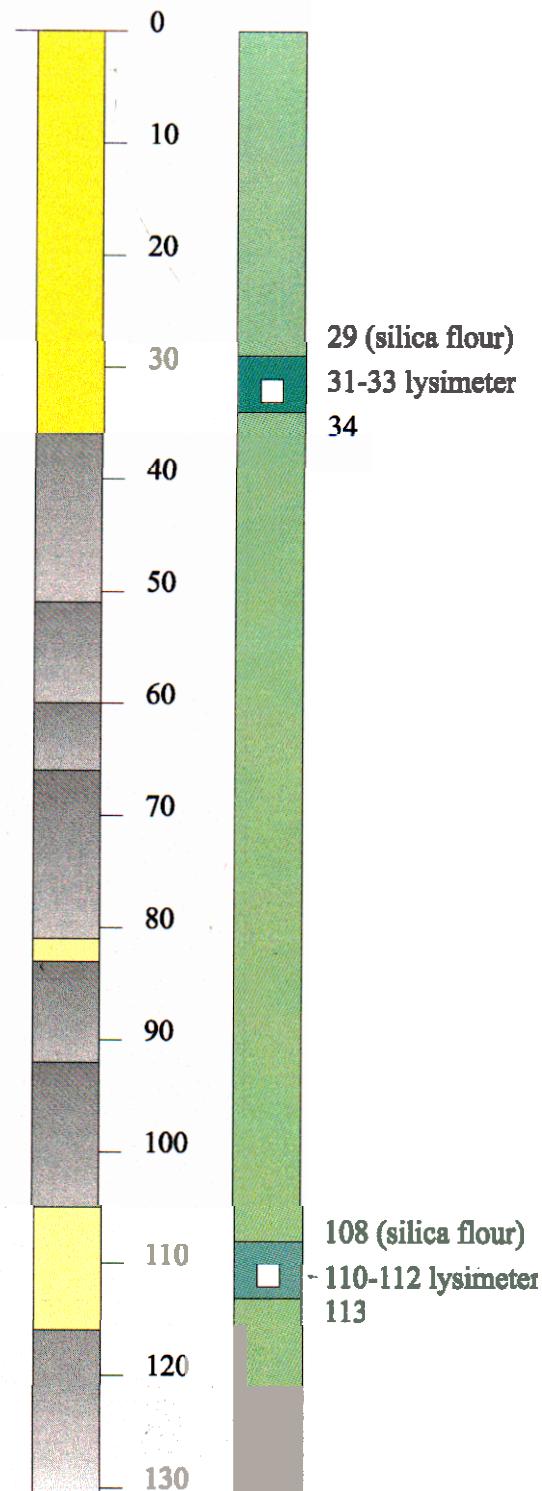
81 to 83: Silt

83 to 92: Basalt Flow

92 to 105: Basalt Flow

105 to 116: Silty Clay

116 to 131.5+: Basalt
127- wet during drilling



Well: 37-4

Core, 1991

0 to 34: Alluvium

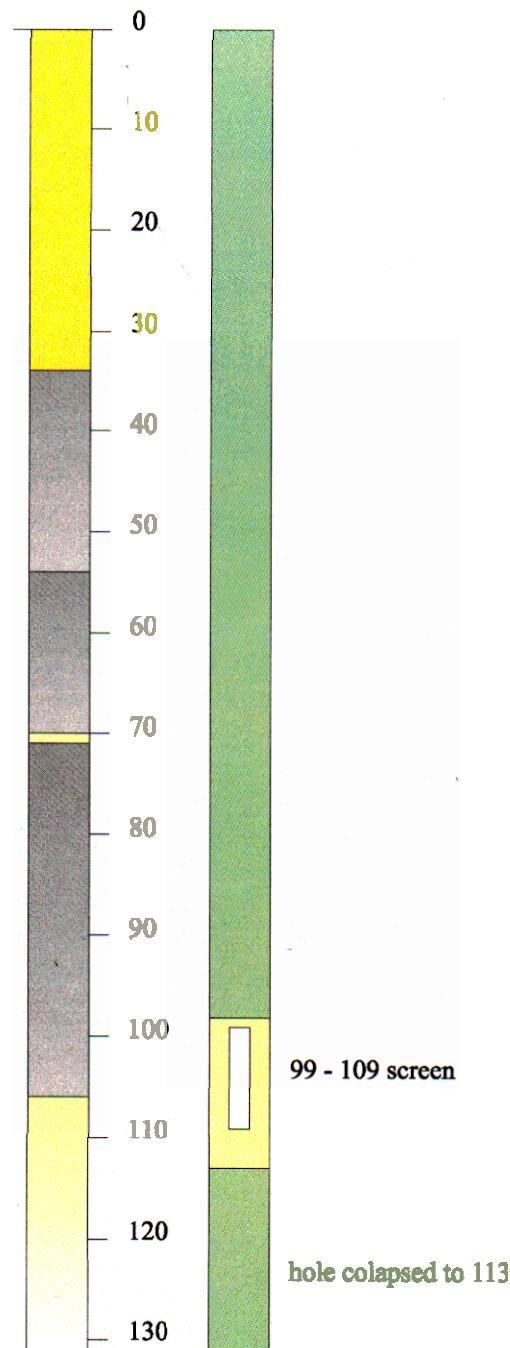
34 to 54: Basalt Flow

54 to 70.1: Basalt Flow

70.1 to 70.9: Silt and Clay

70.9 to 106: Basalt Flow

106 to 130.3+: Silt



Well: 55-06

Core, 1991

0 to 44: Alluvium

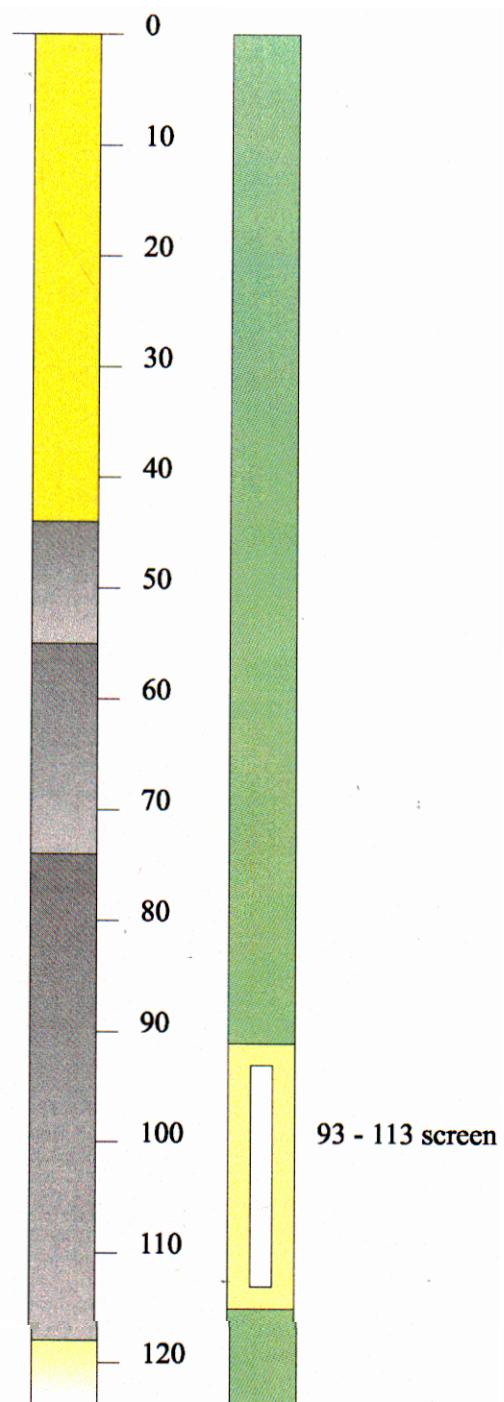
44 to 55: Basalt Flow

55 to 74: Basalt Flow

78 to 95: Basalt Flow

74 to 118: Basalt Flow

118 to 123+: Sand to Silty Clay



Well: Bin Set 6, Drill Hole 3
Core, 1980

0 to 39.6: Alluvium

39.6 to 42: Clay, moist

42 to 53: Basalt Flow

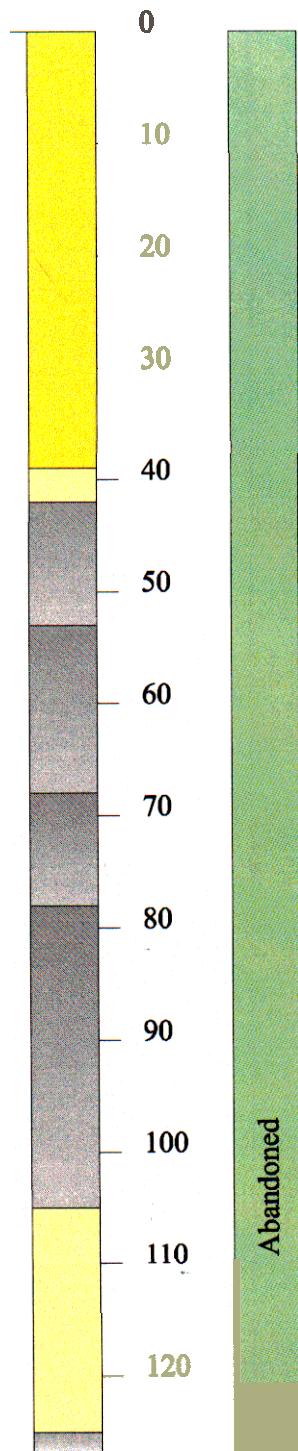
53 to 67.5: Basalt Flow

67.5 to 78: Basalt Flow

78 to 104.5: Basalt Flow

104.5 to 125: Clayey Silt

125+ Basalt



Well: Bin Set 7

Core

0 to 45: Alluvium

45 to 71.8: Basalt Flow

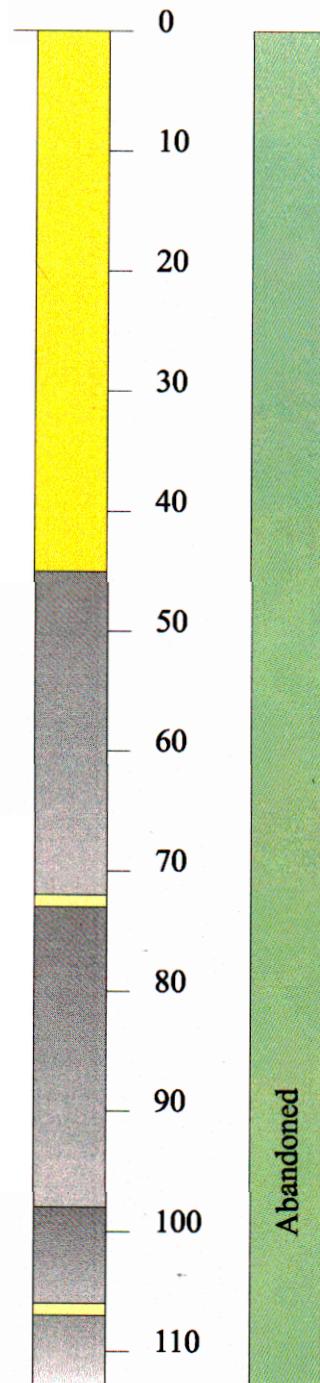
71.8 to 72.6: Silt

72.6 to 97.7: Basalt Flow

97.7 to 106.2: Basalt Flow

106.2 to 107.4: Silty Clay

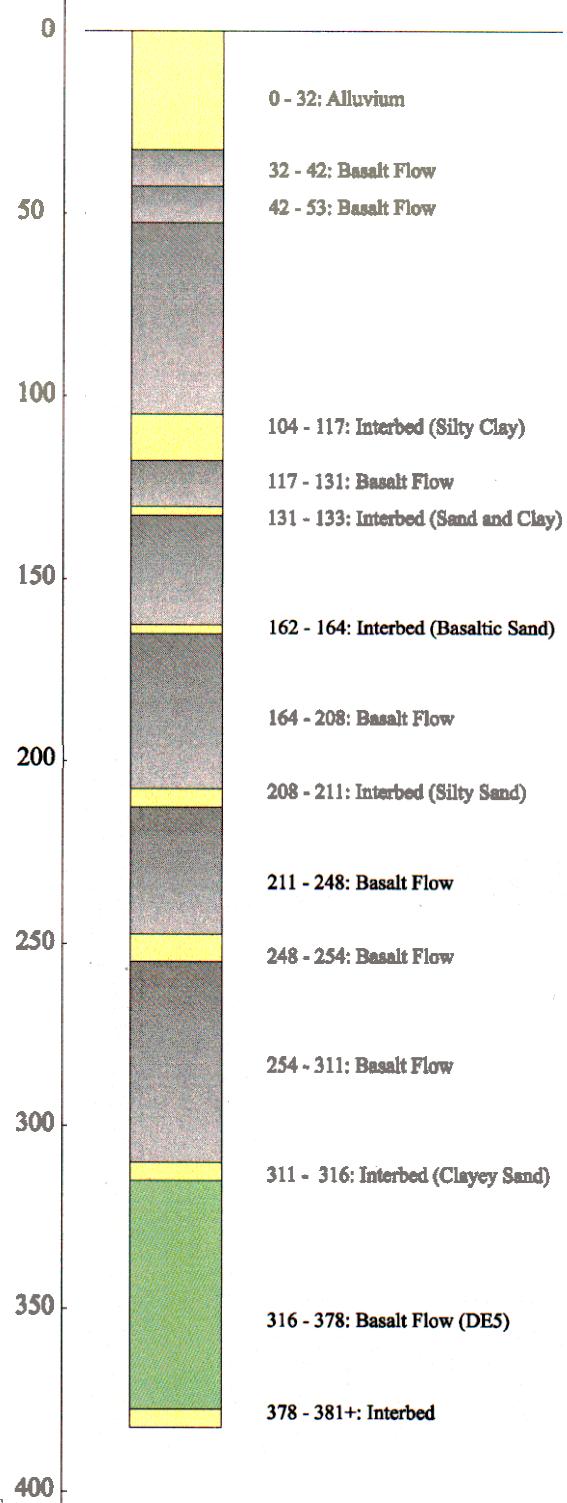
107.4 to 113.4+: Basalt



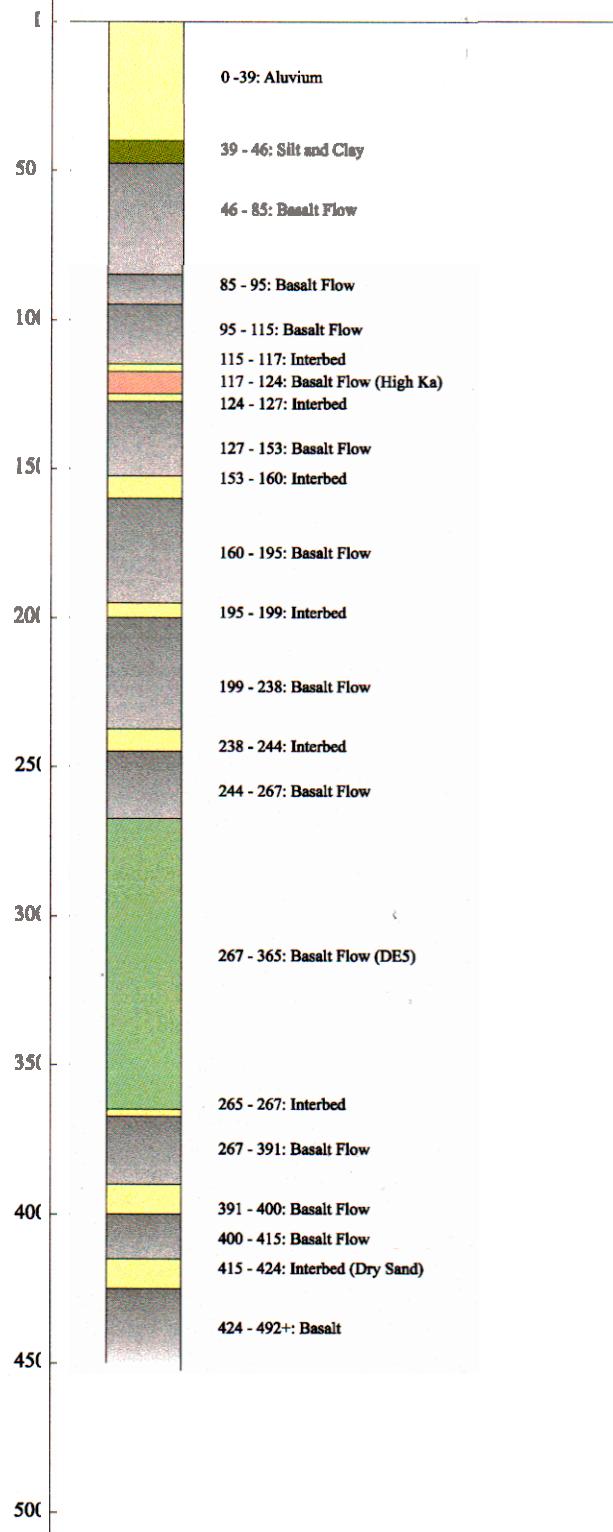
Attachment B-10

**Lithologic Details for the INTEC Deep Cable Toolled
and Air Rotary Boreholes**

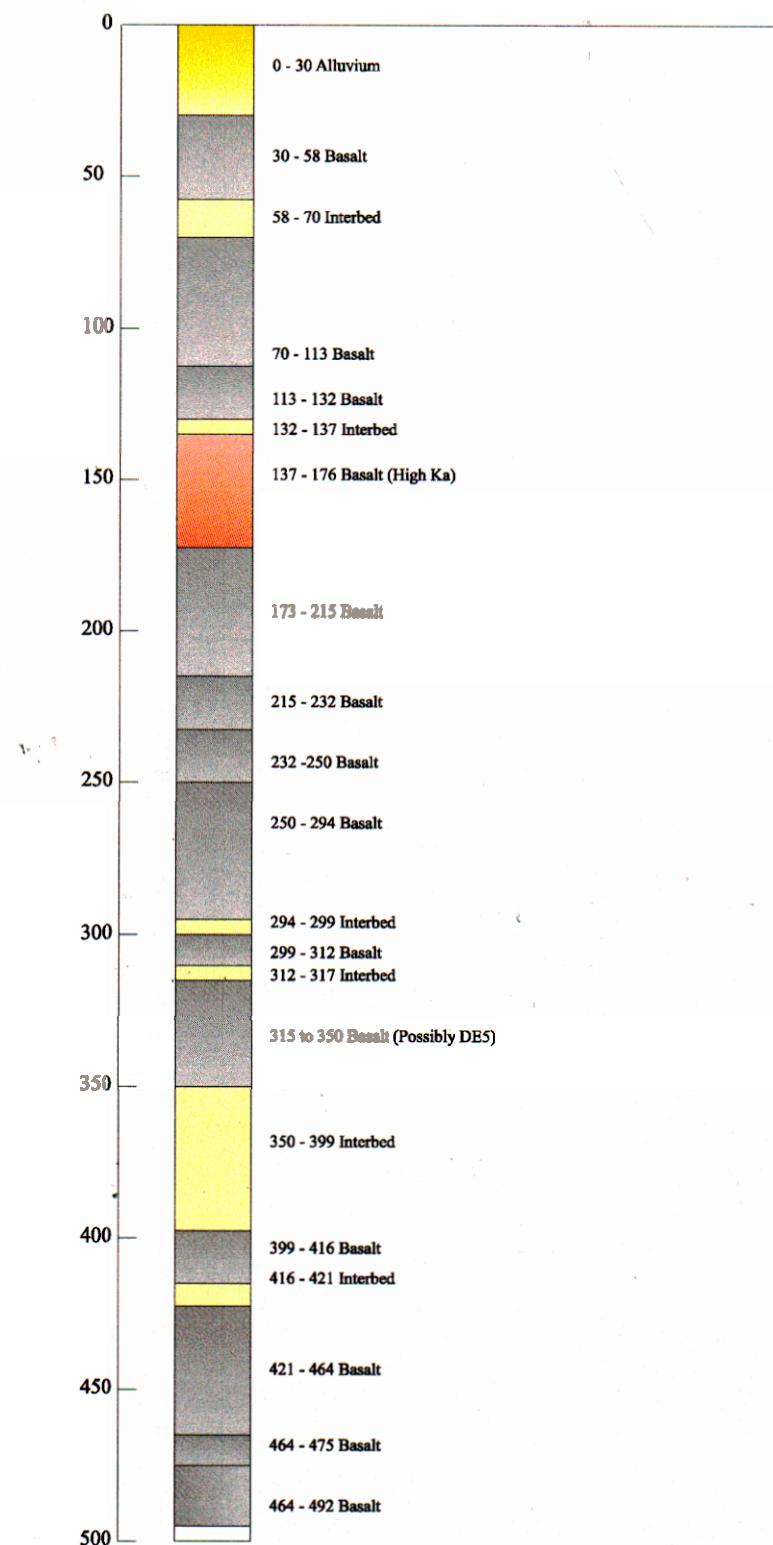
Well MW-17

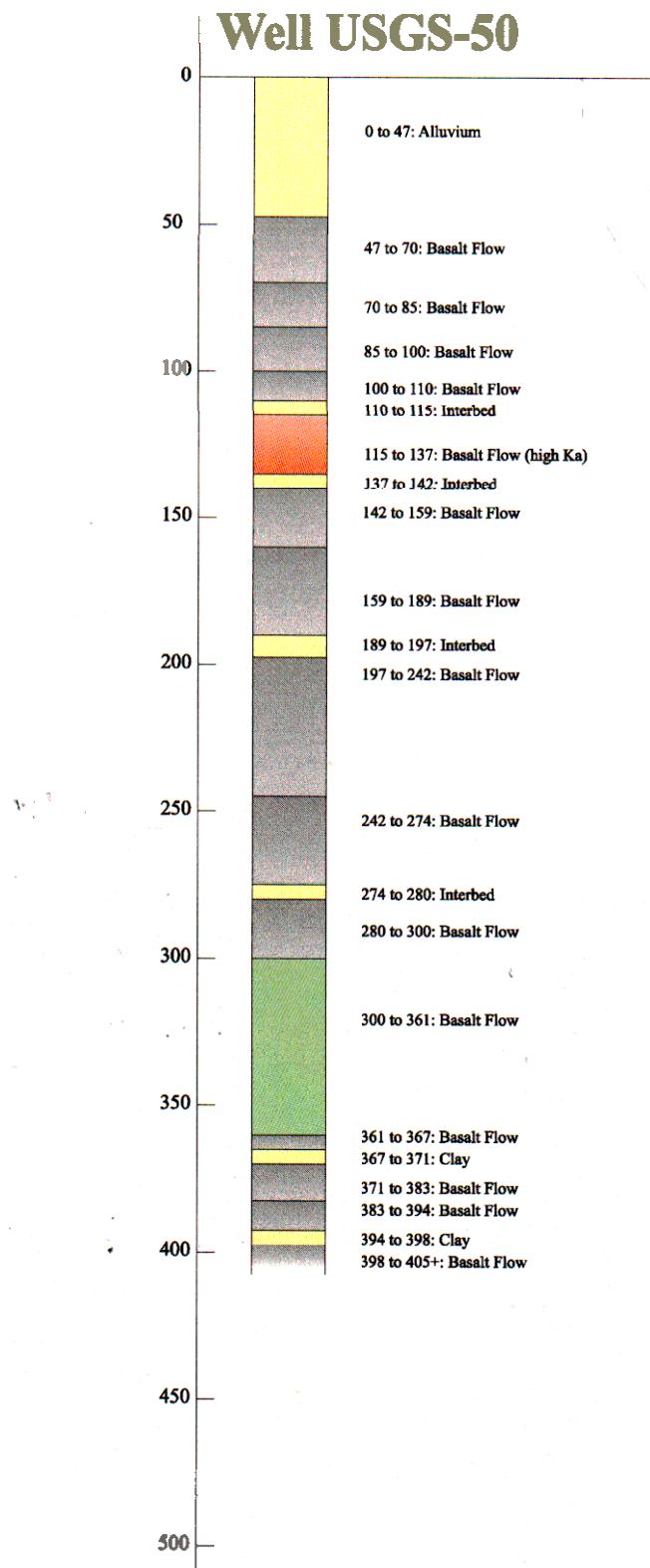


Well MW-18

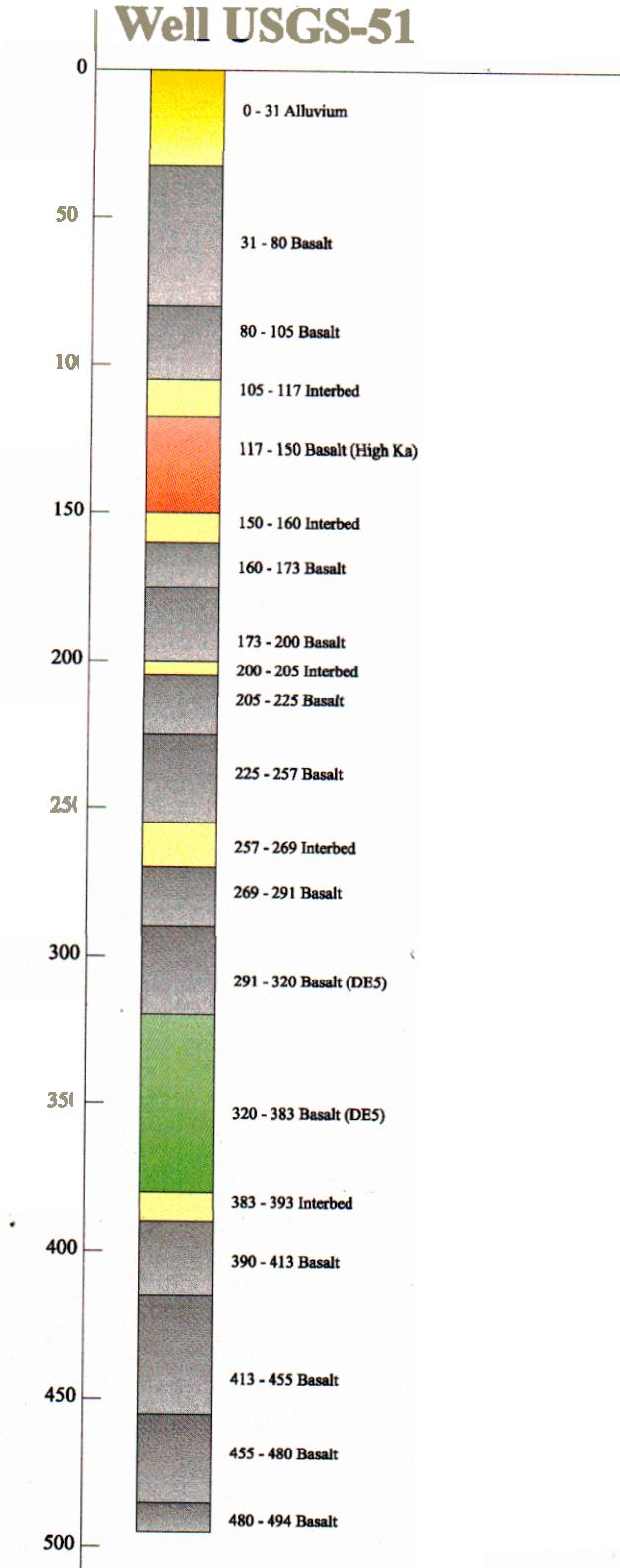


Well USGS-36

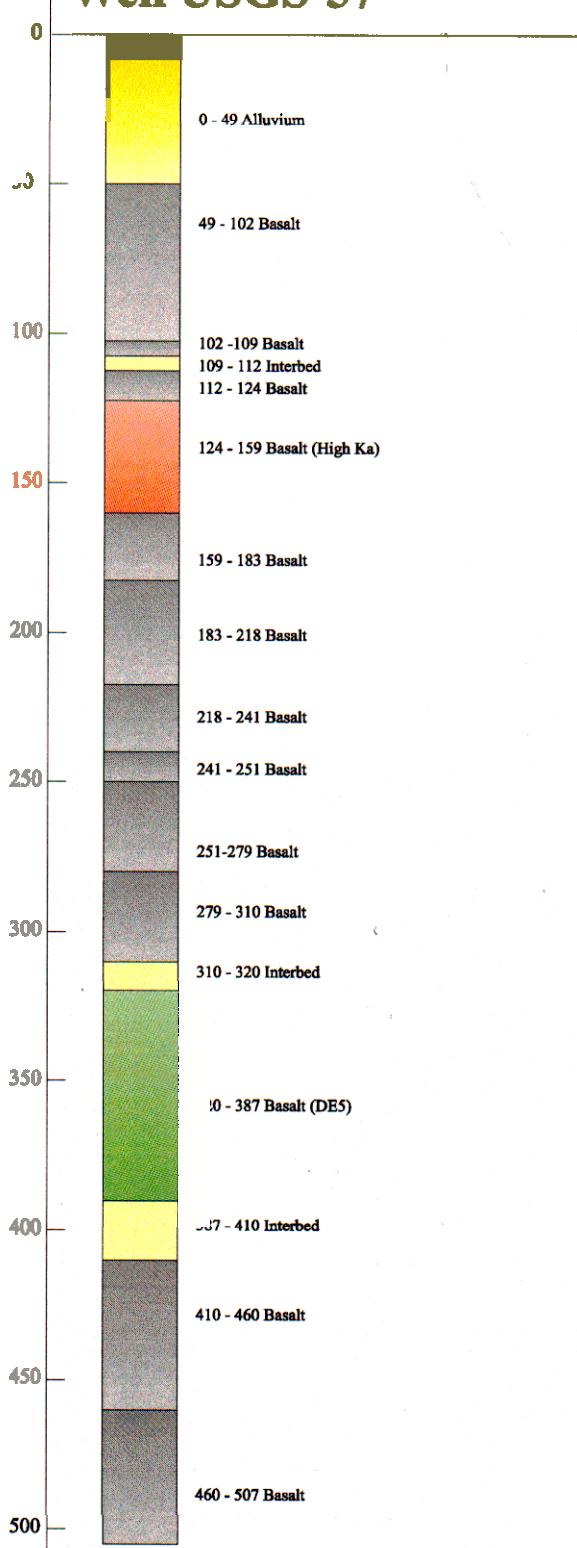


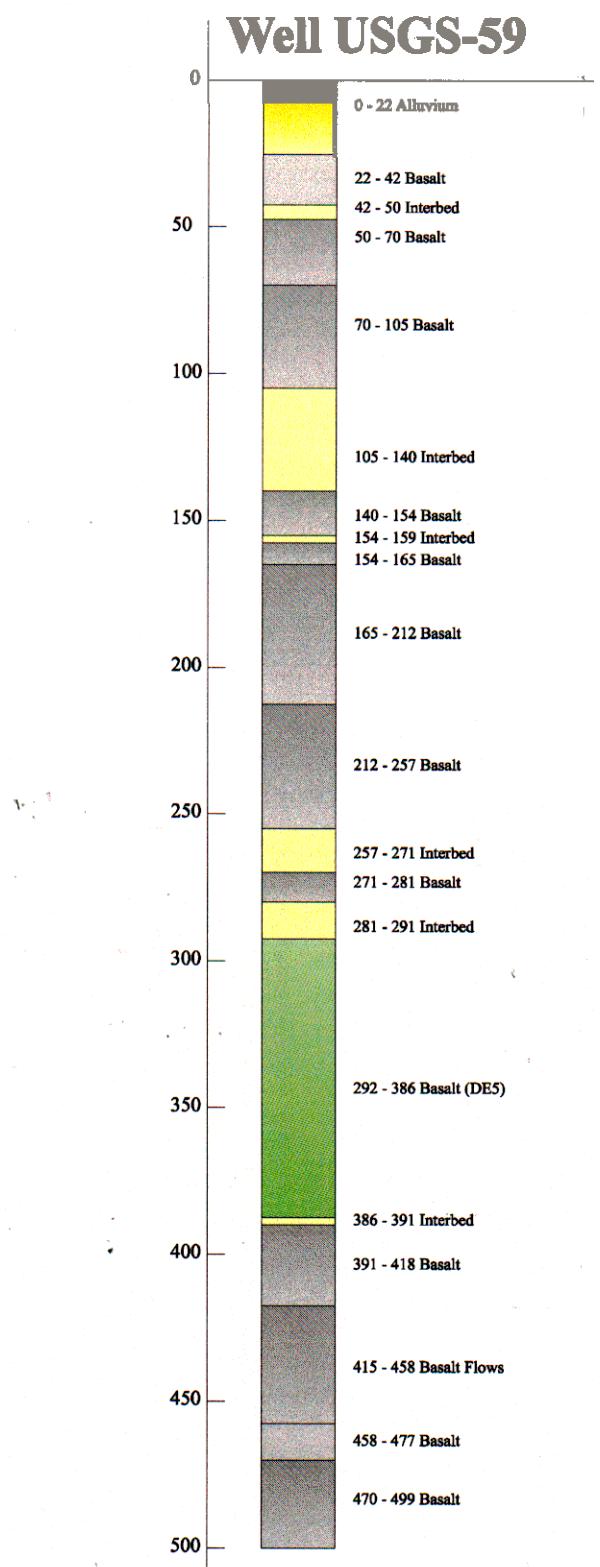


Well USGS-51

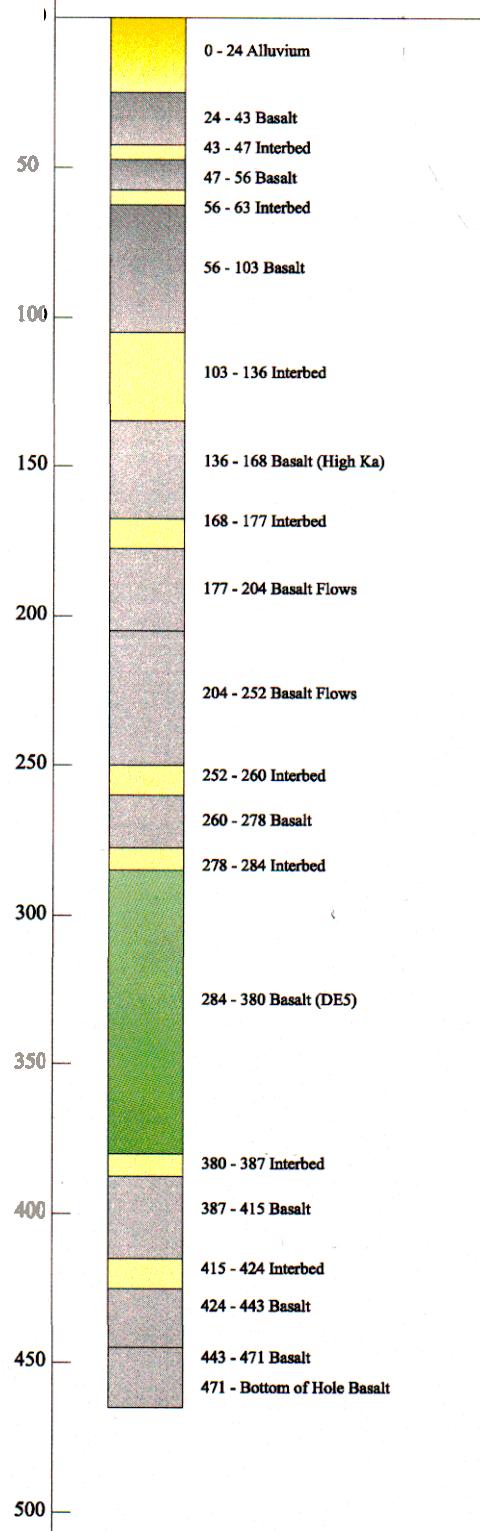


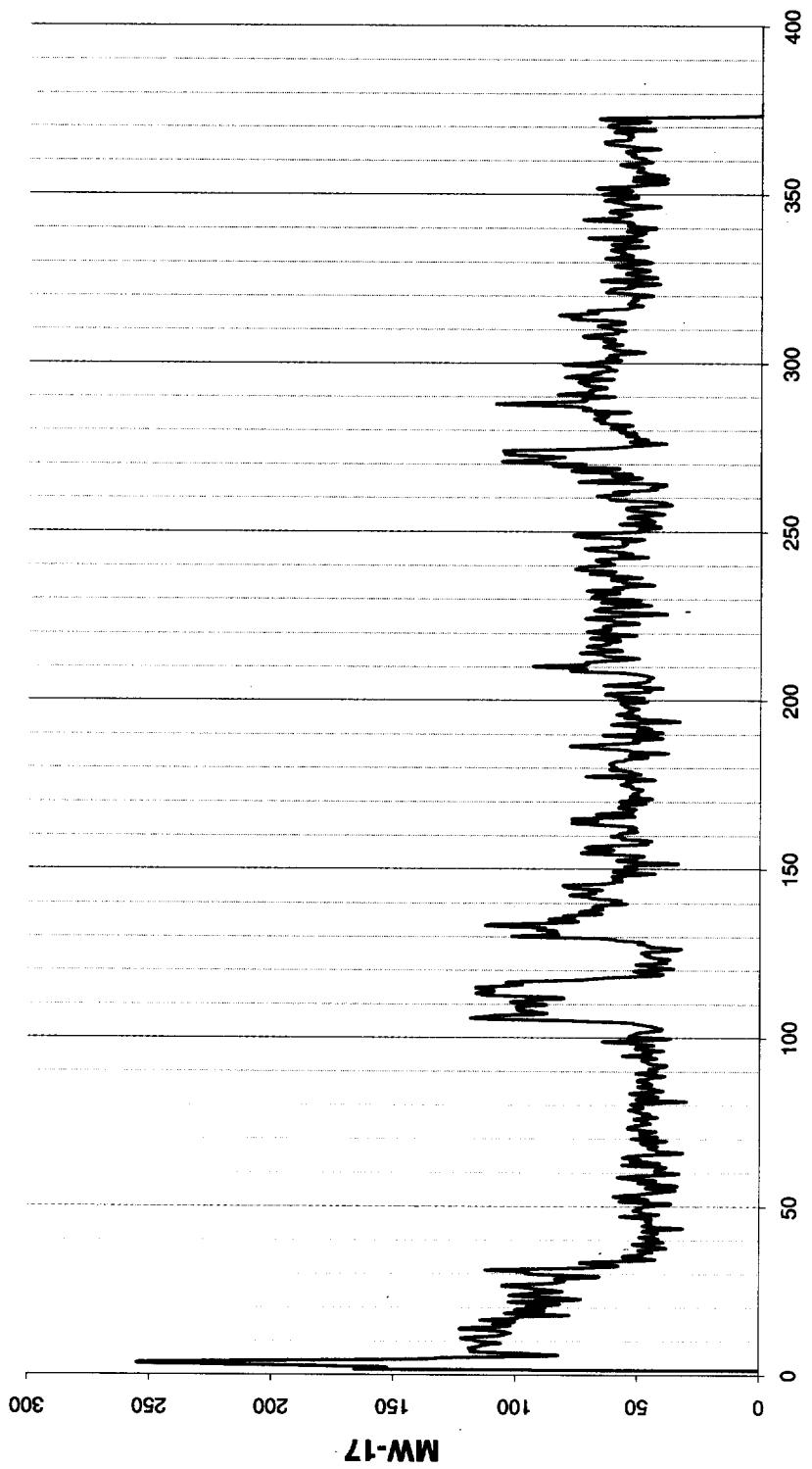
Well USGS-57



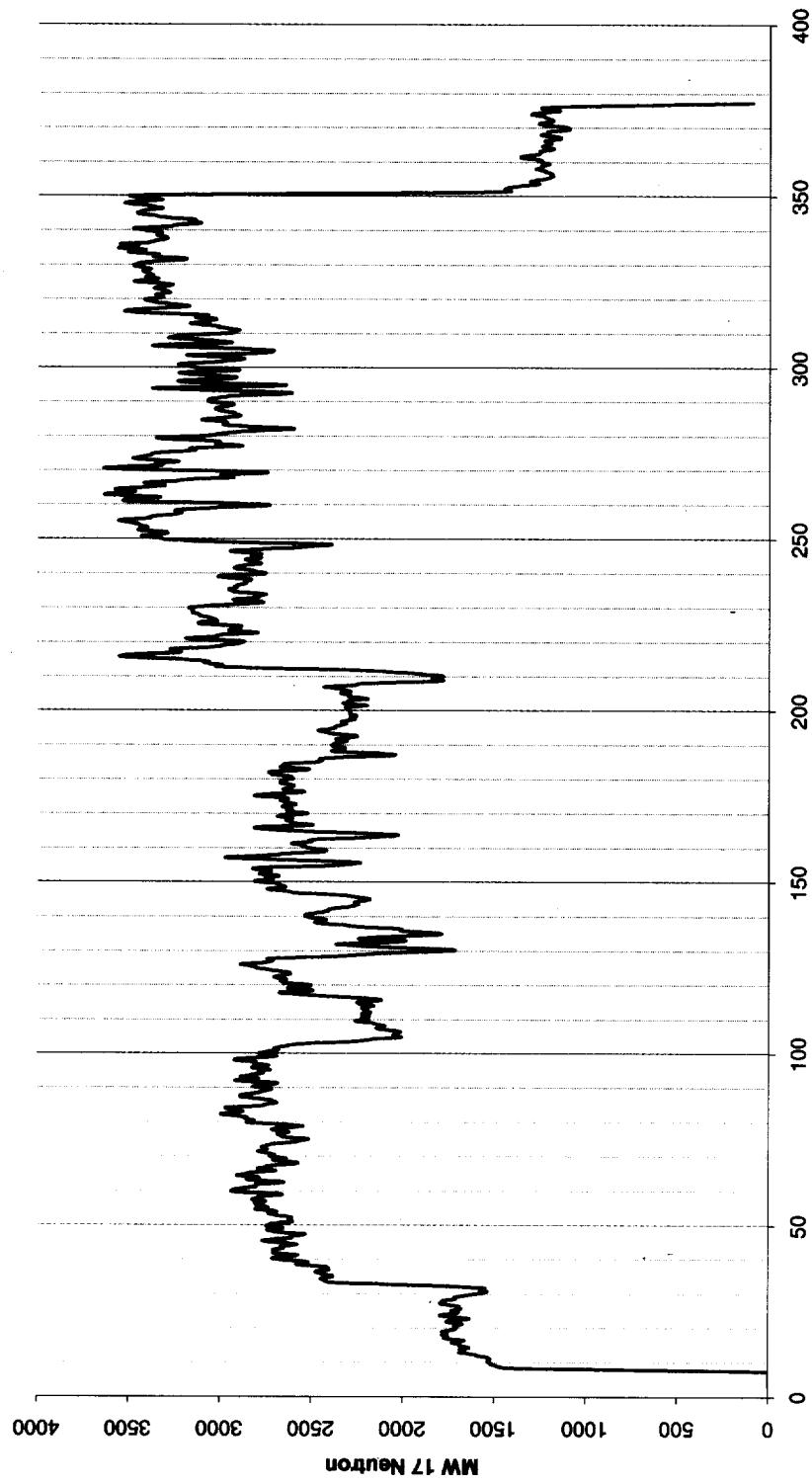


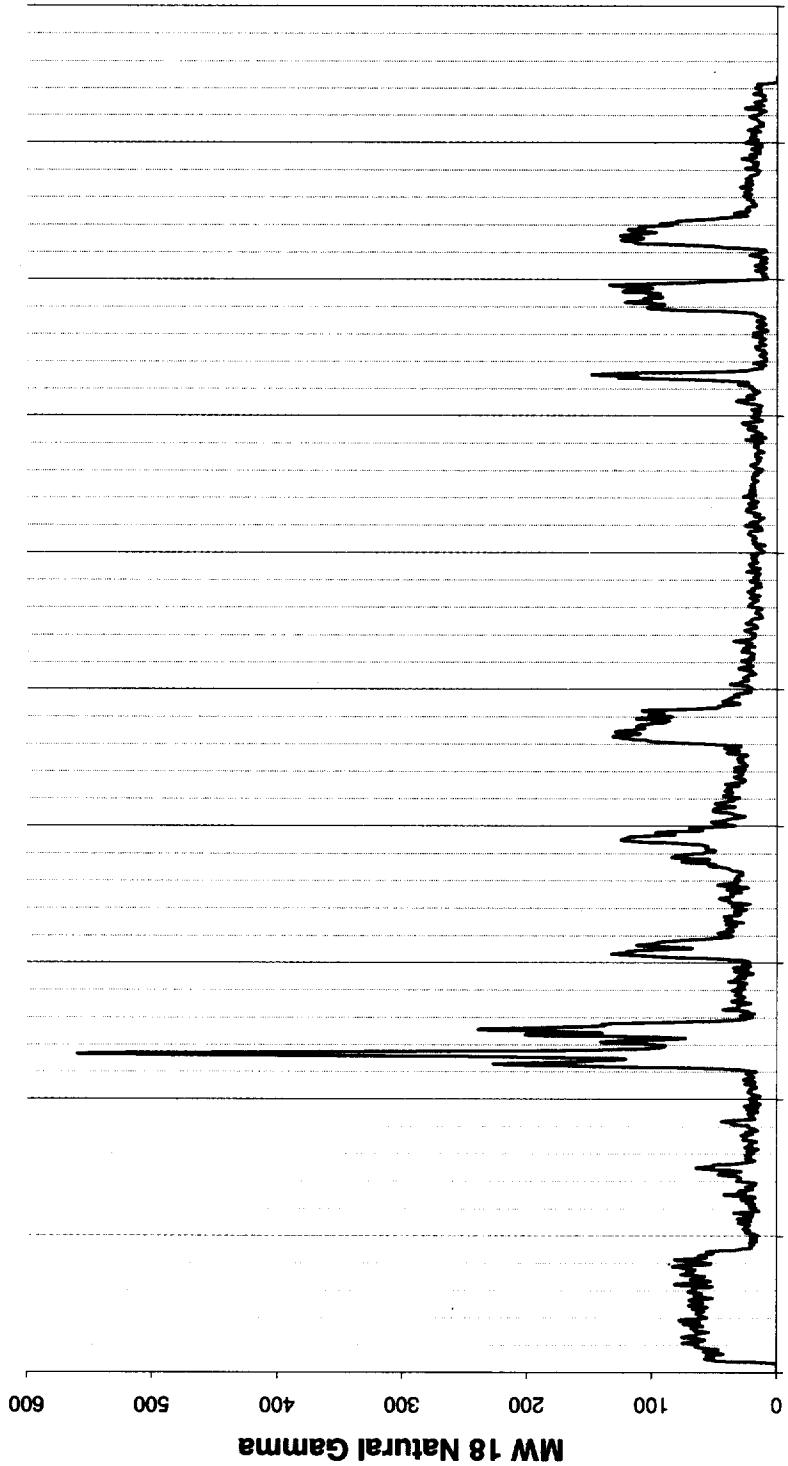
Well USGS-122

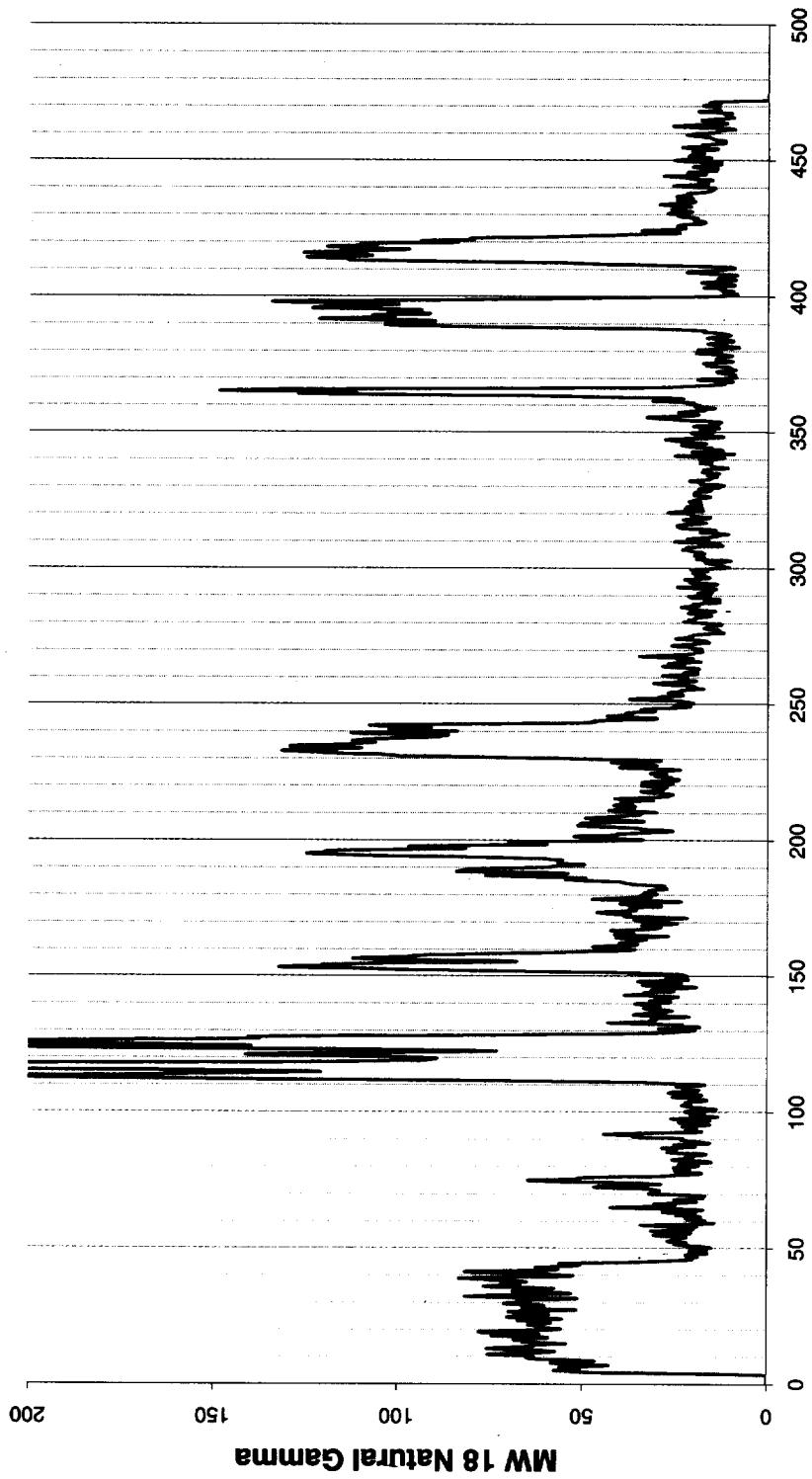




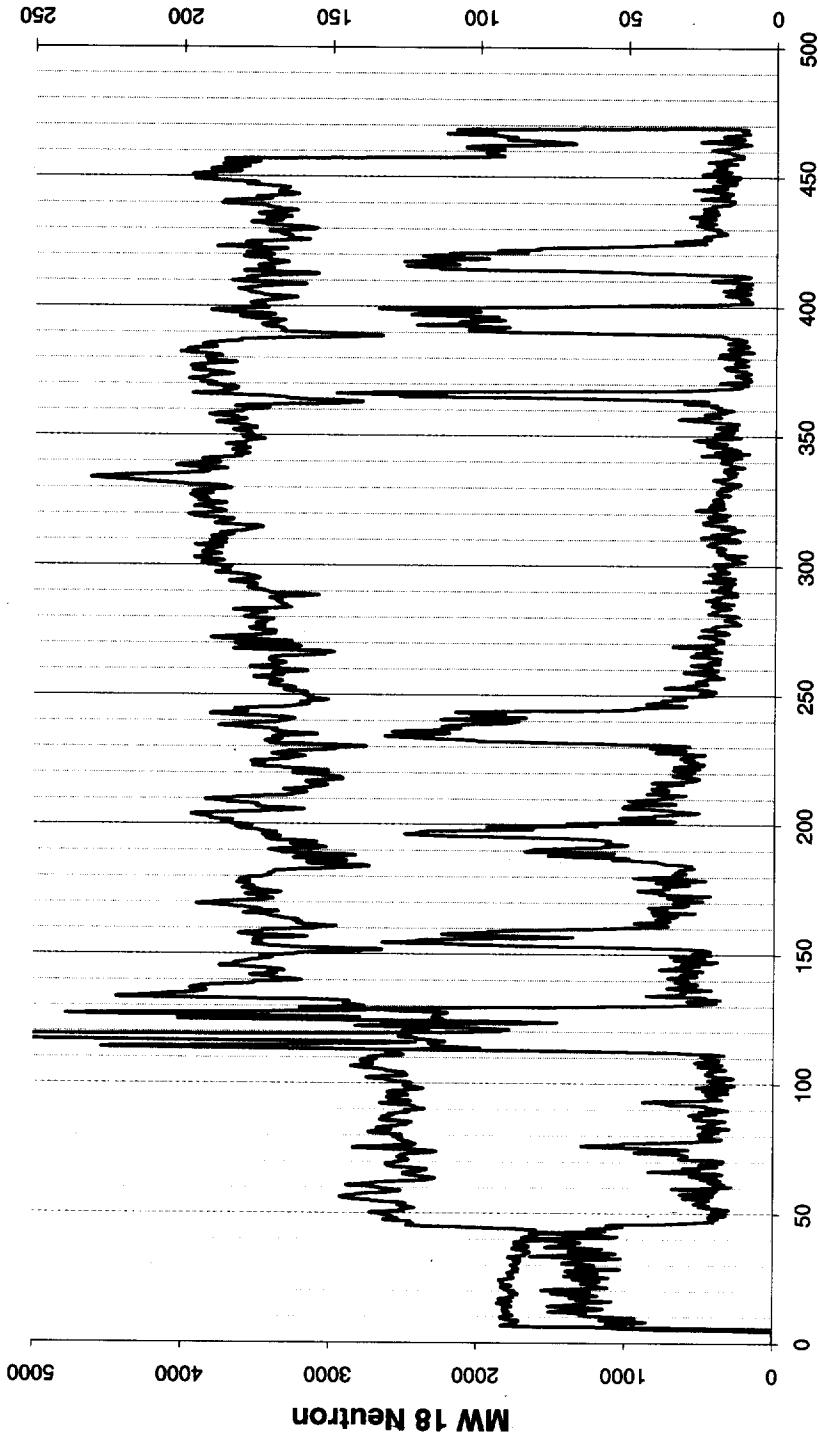
B-201



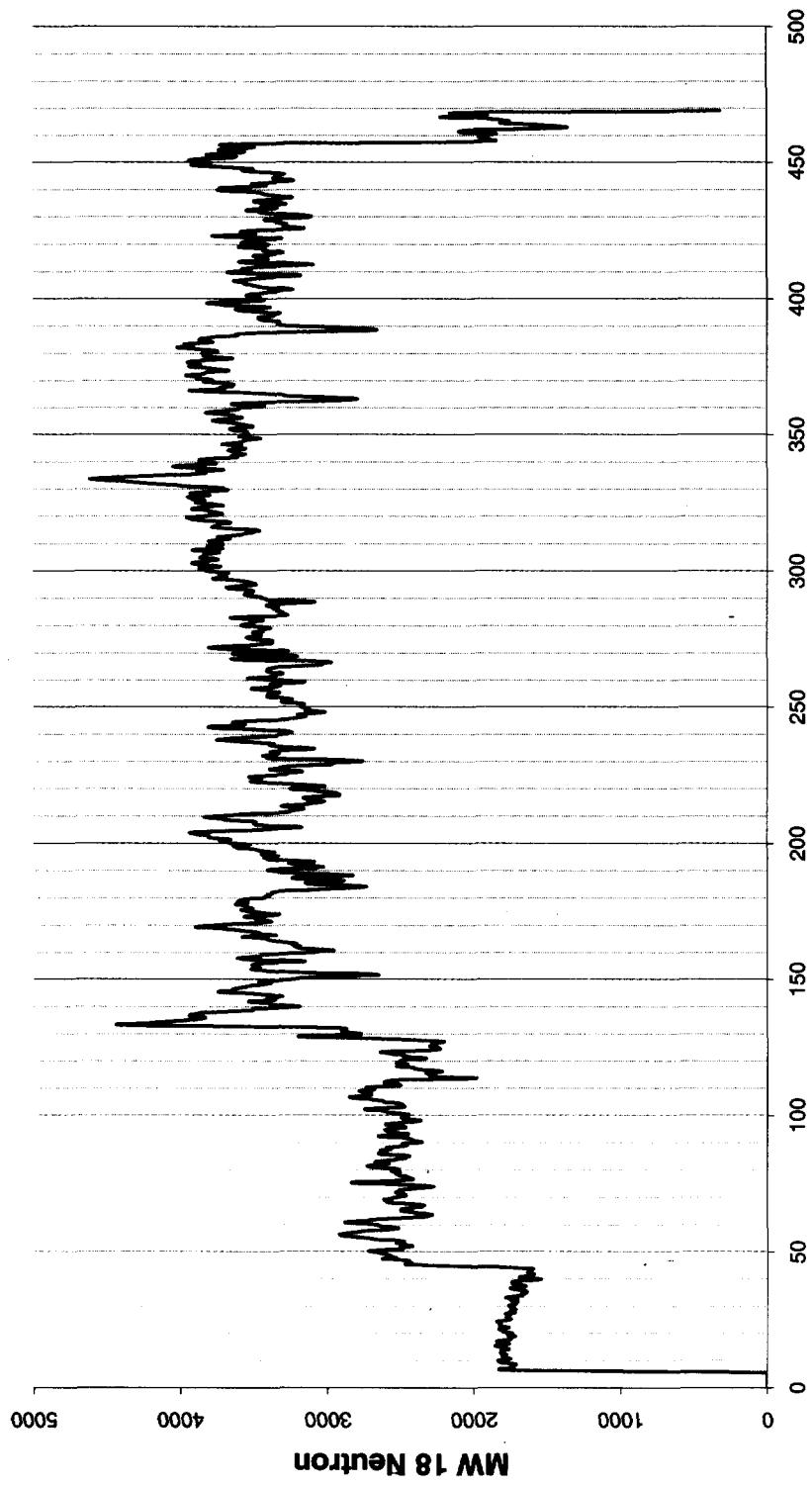


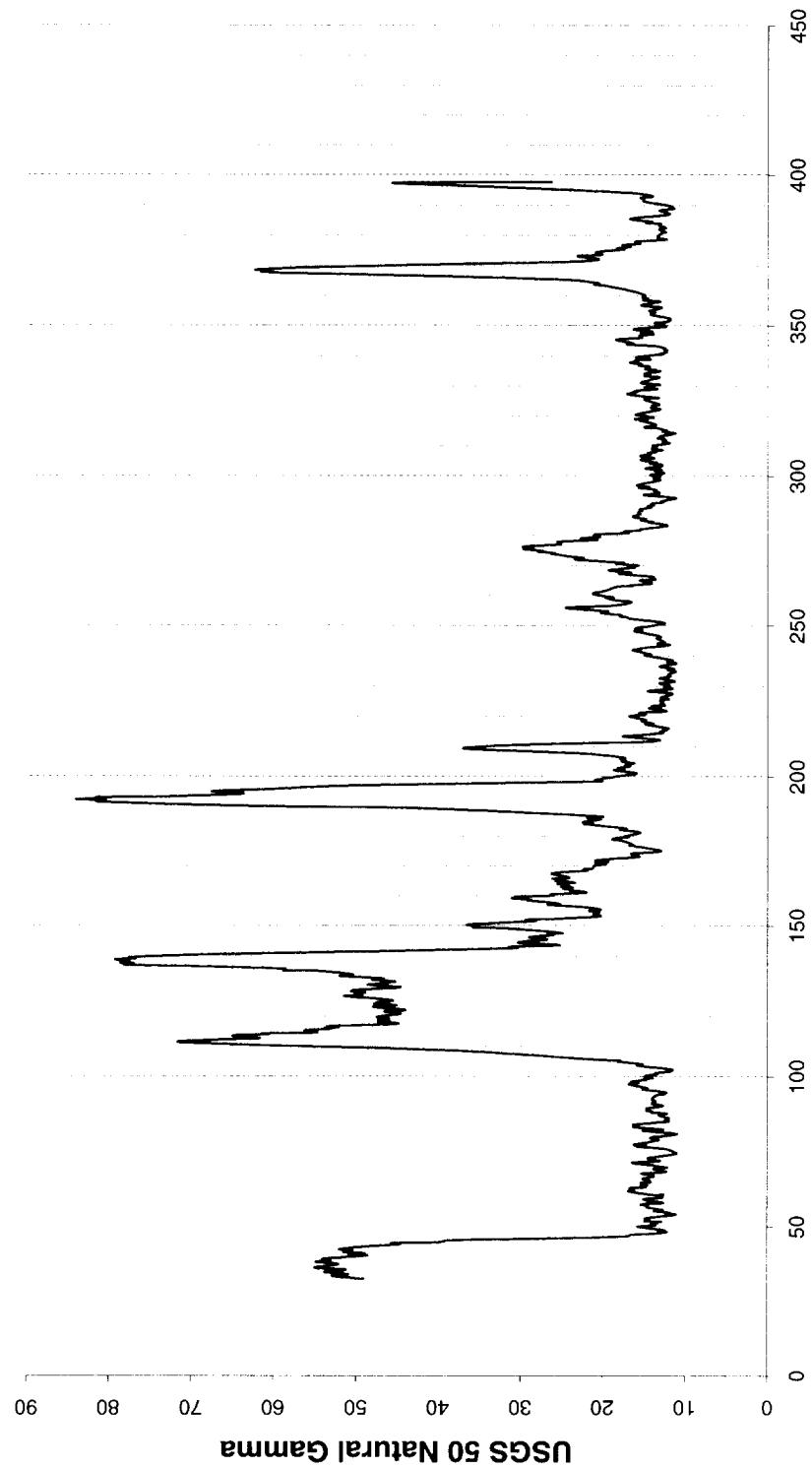


MW 18 Gamma

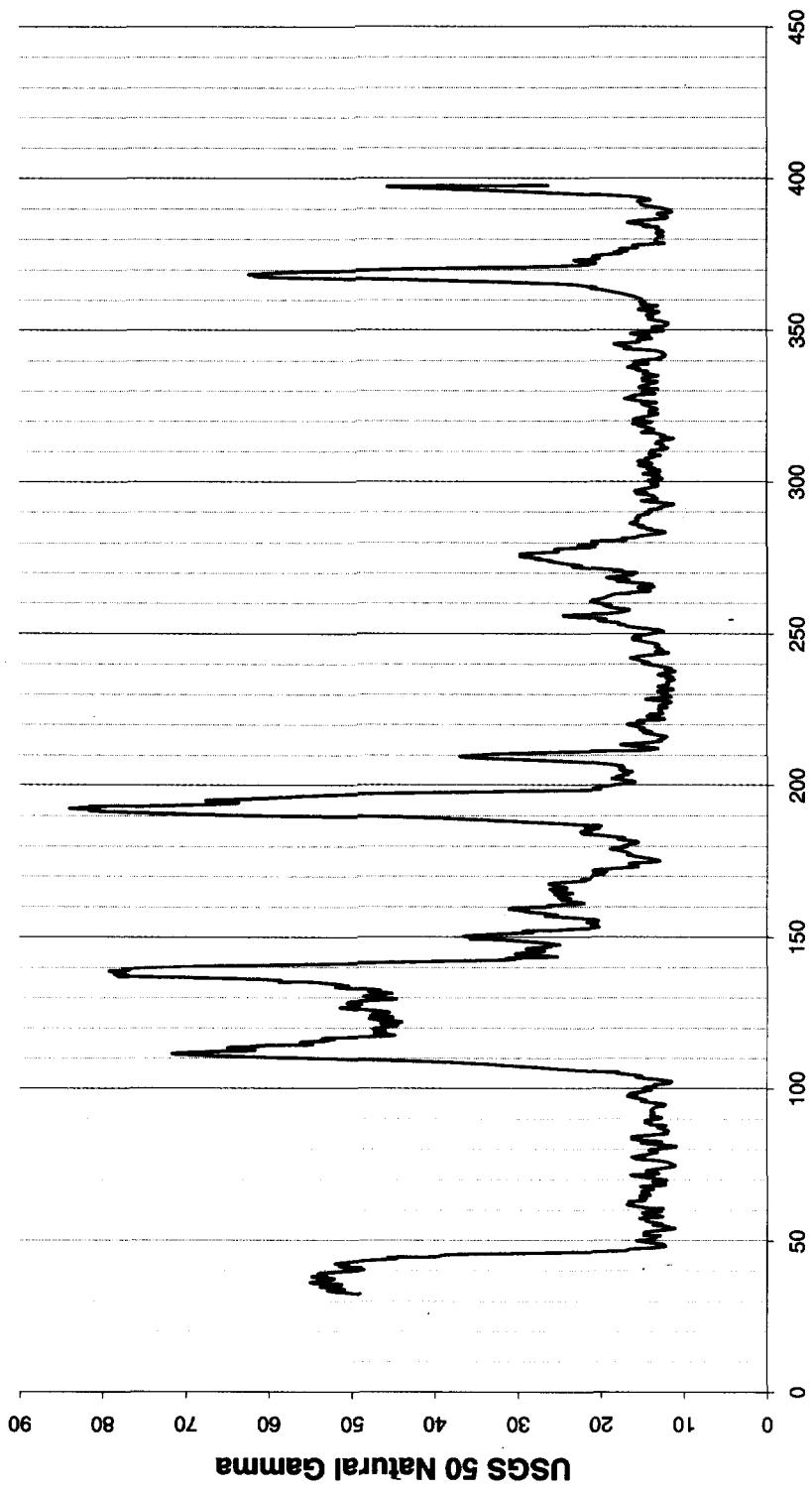


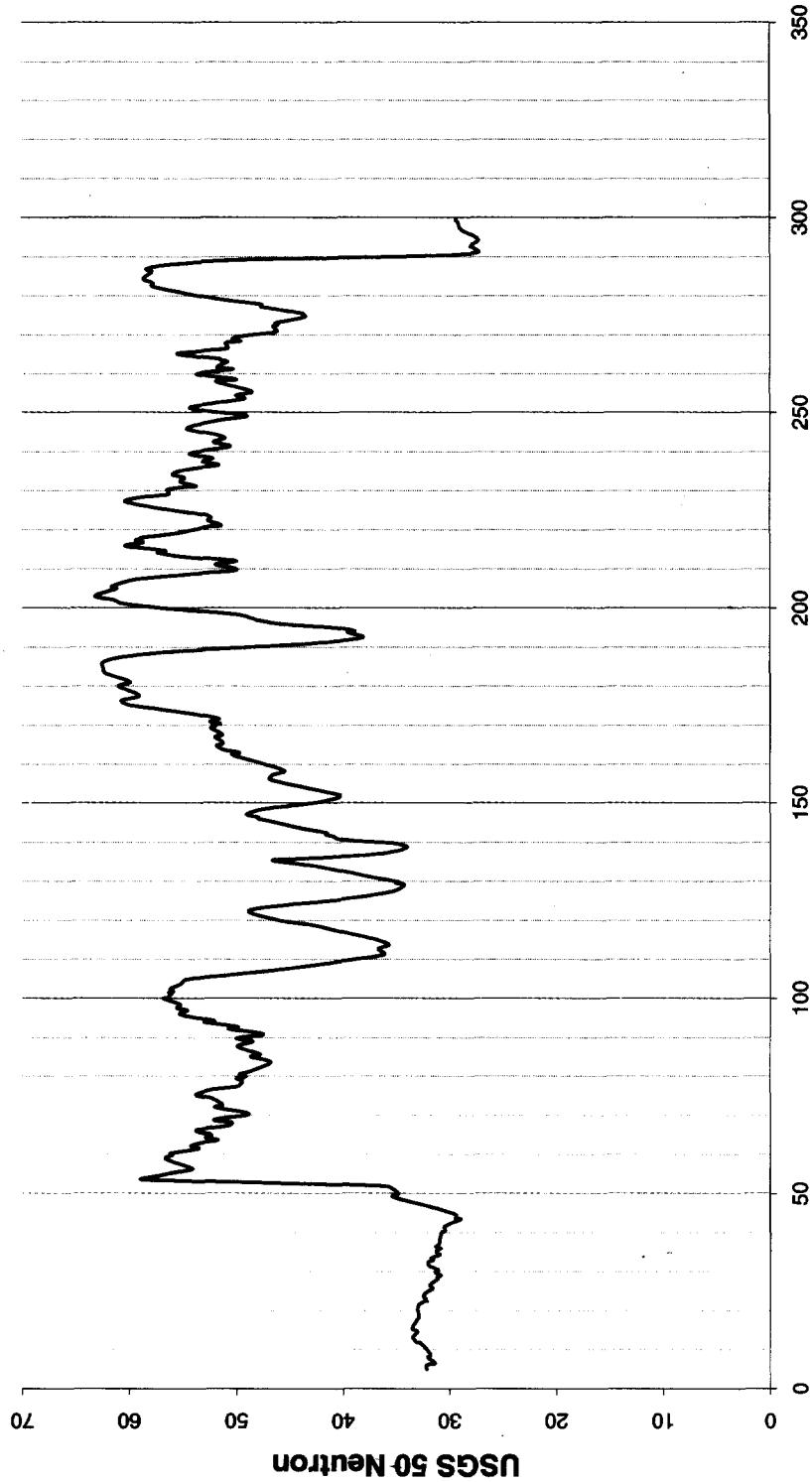
MW 18 Neutron

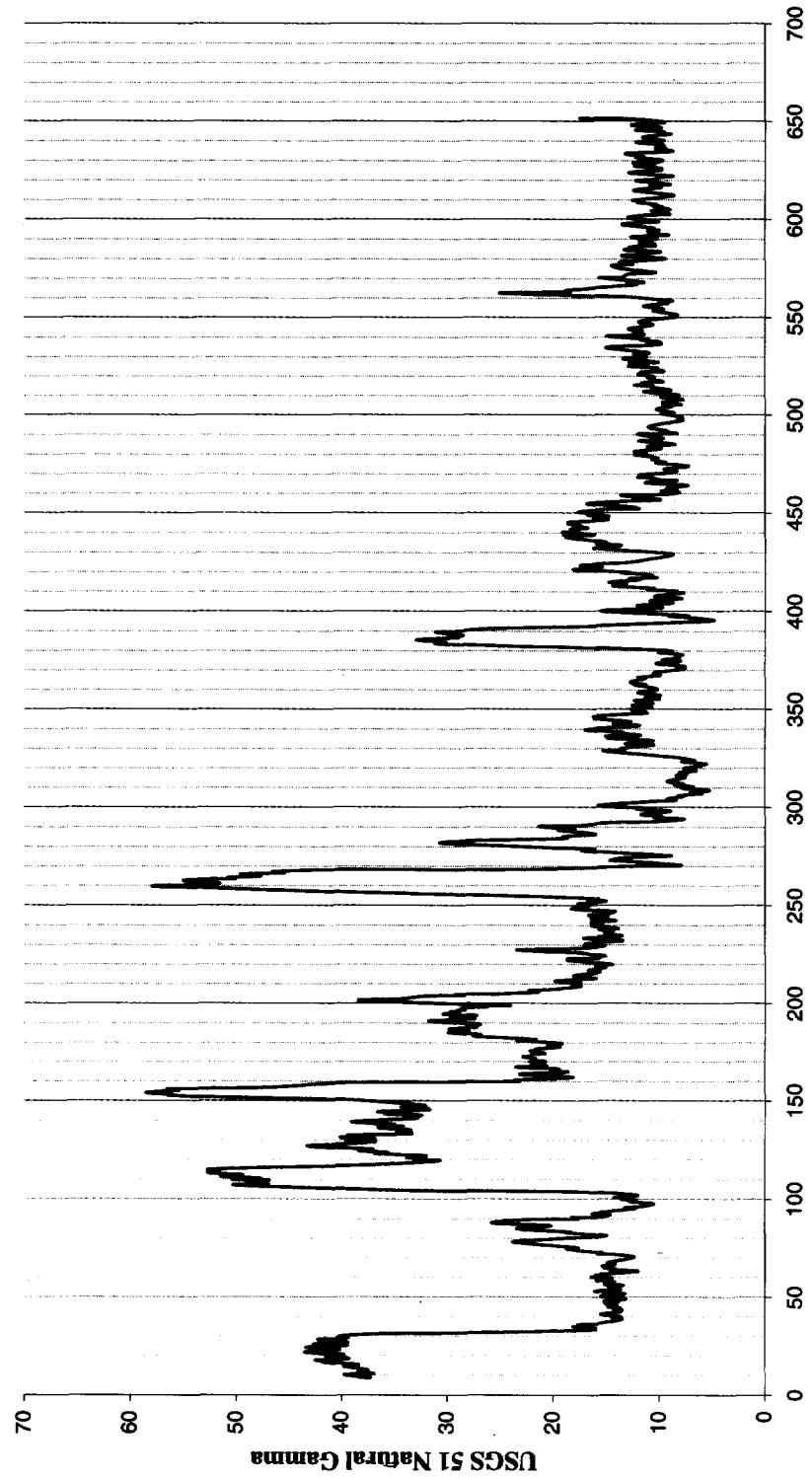




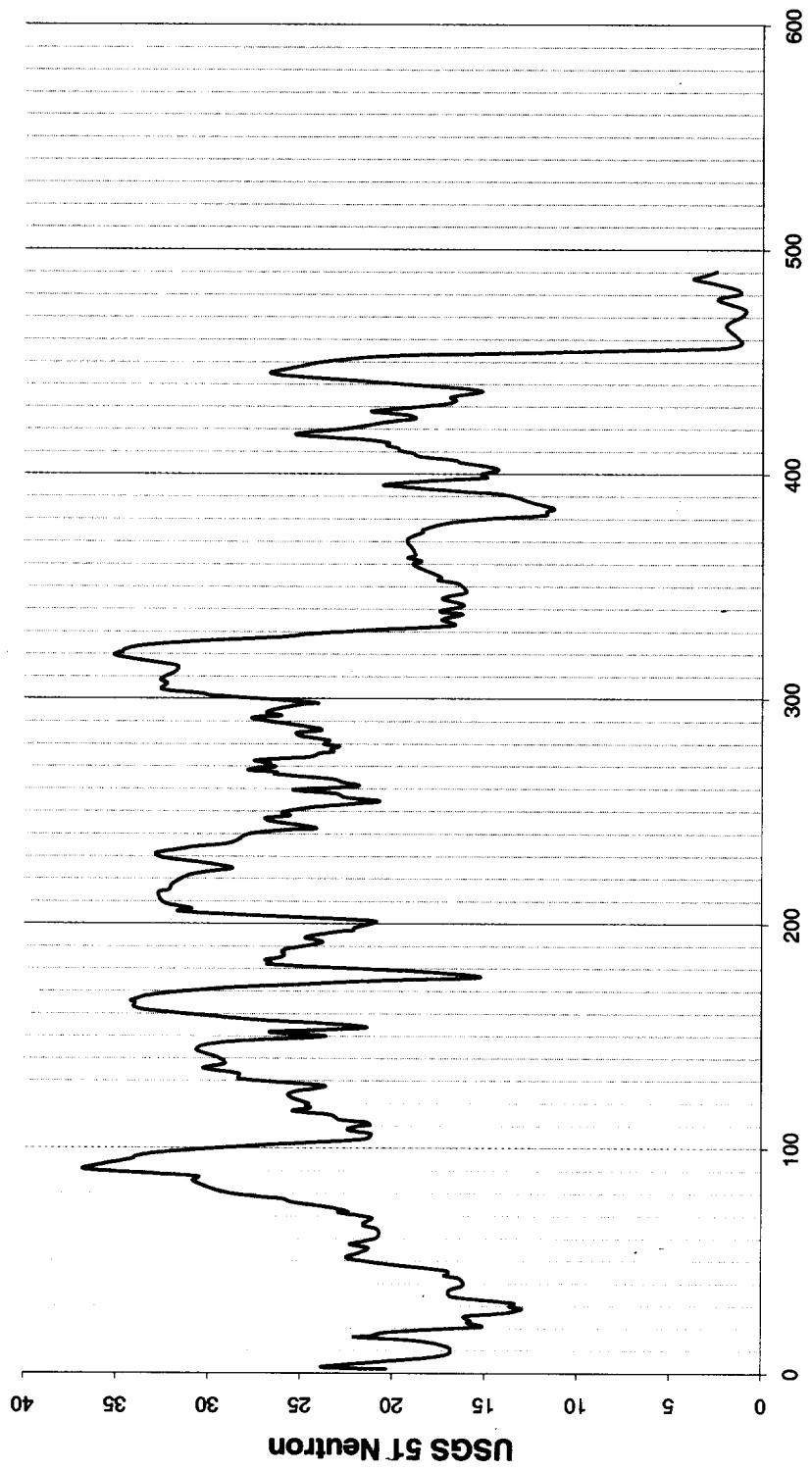
USGS 50 Natural Gamma

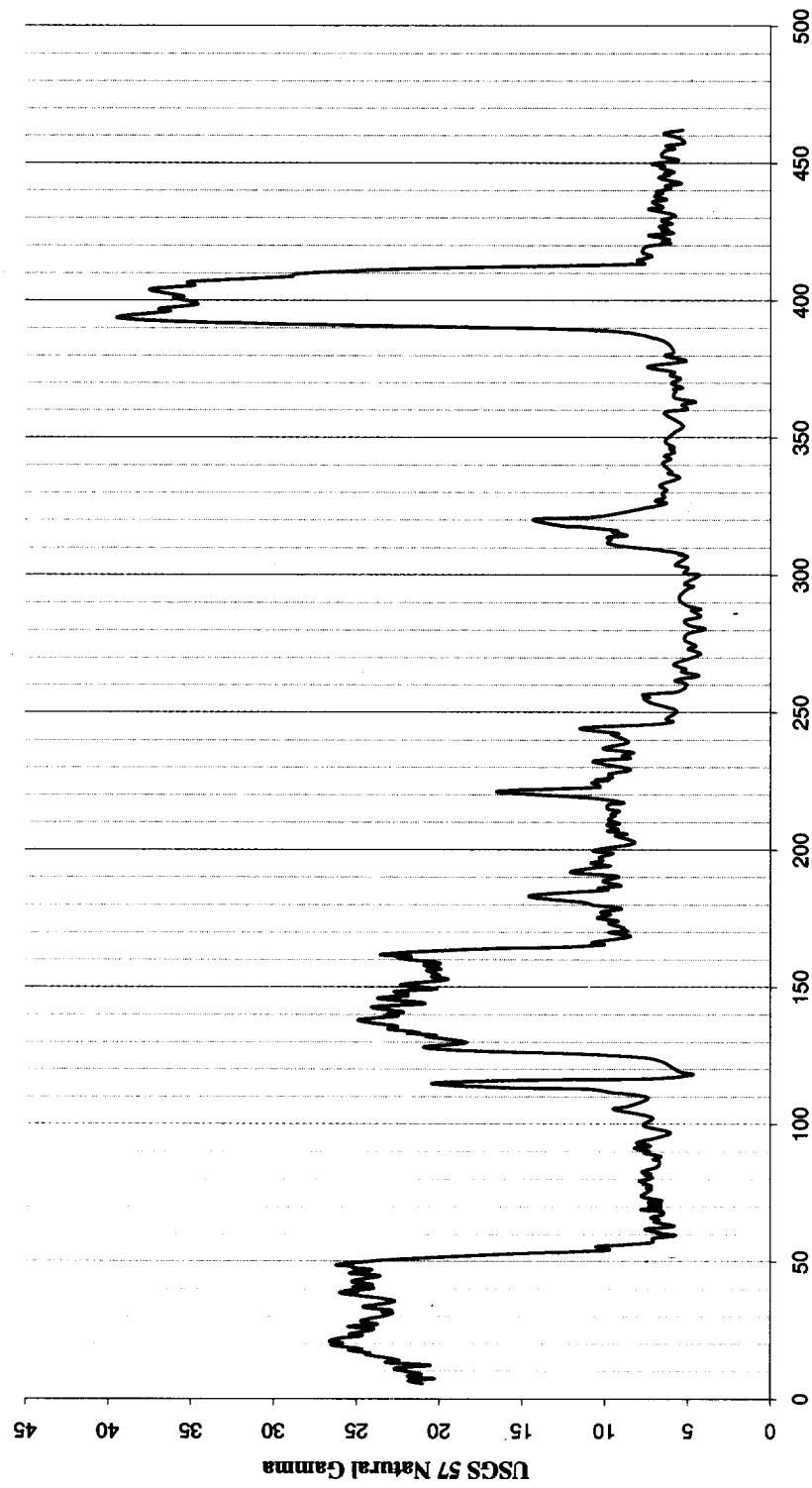


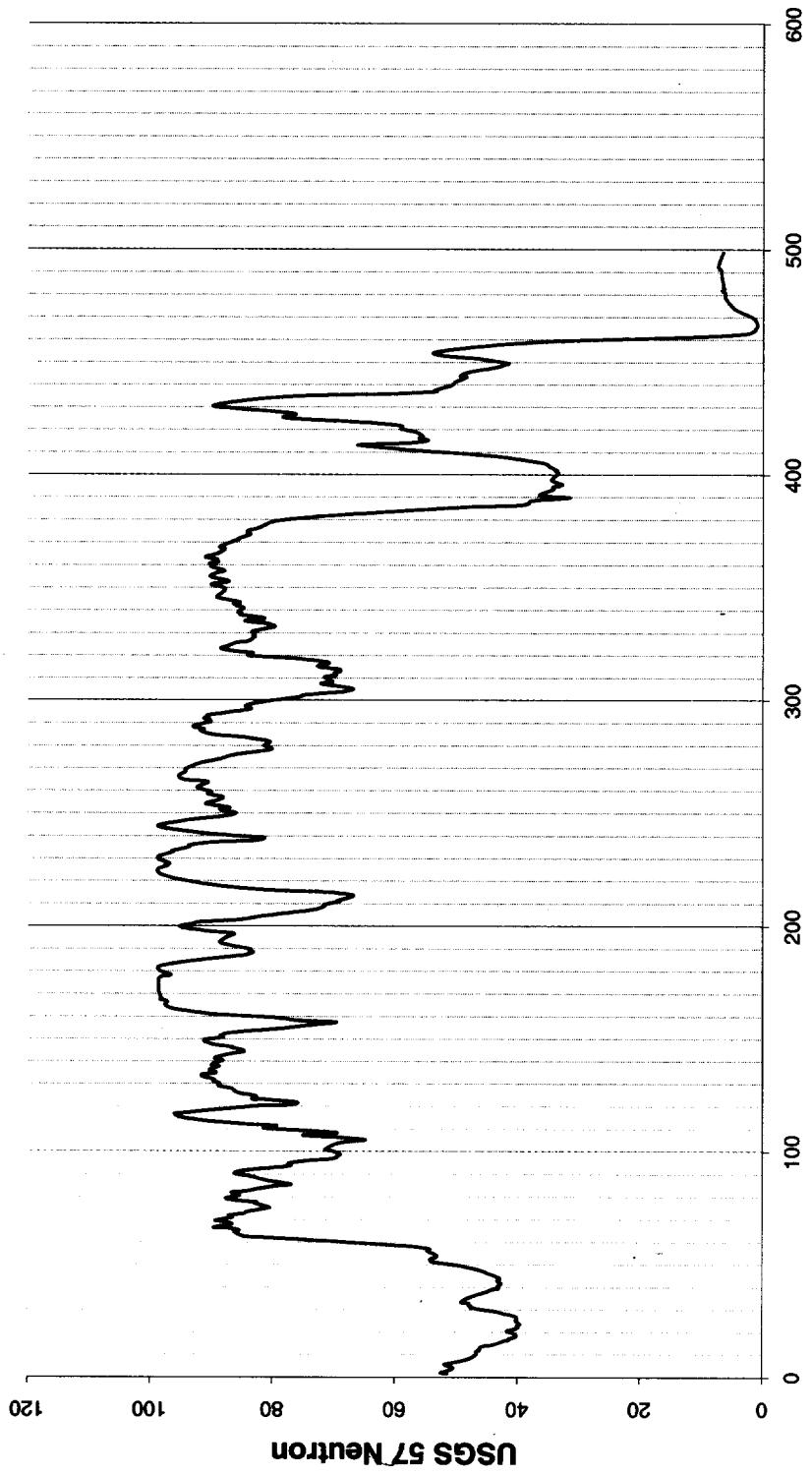


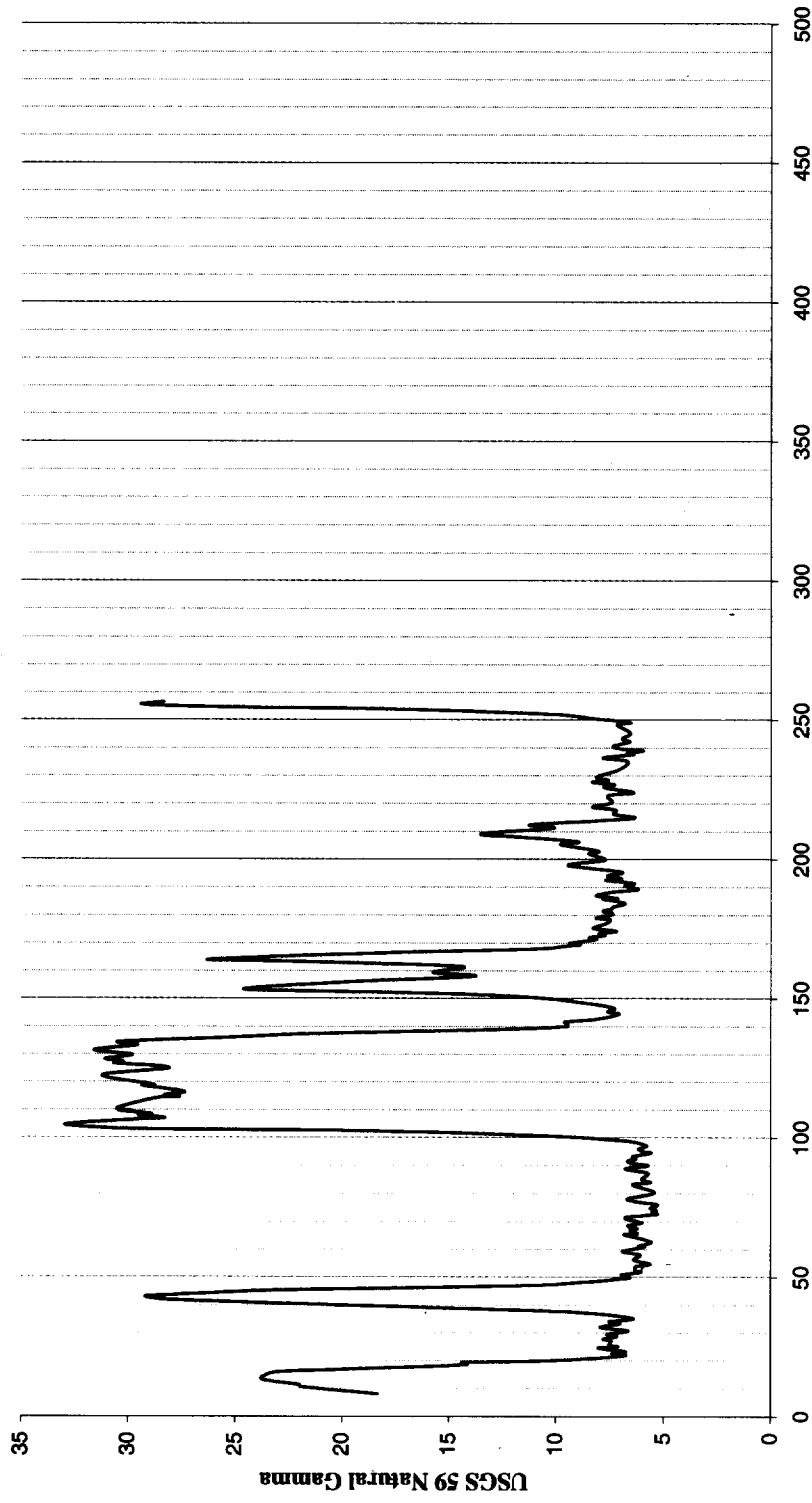


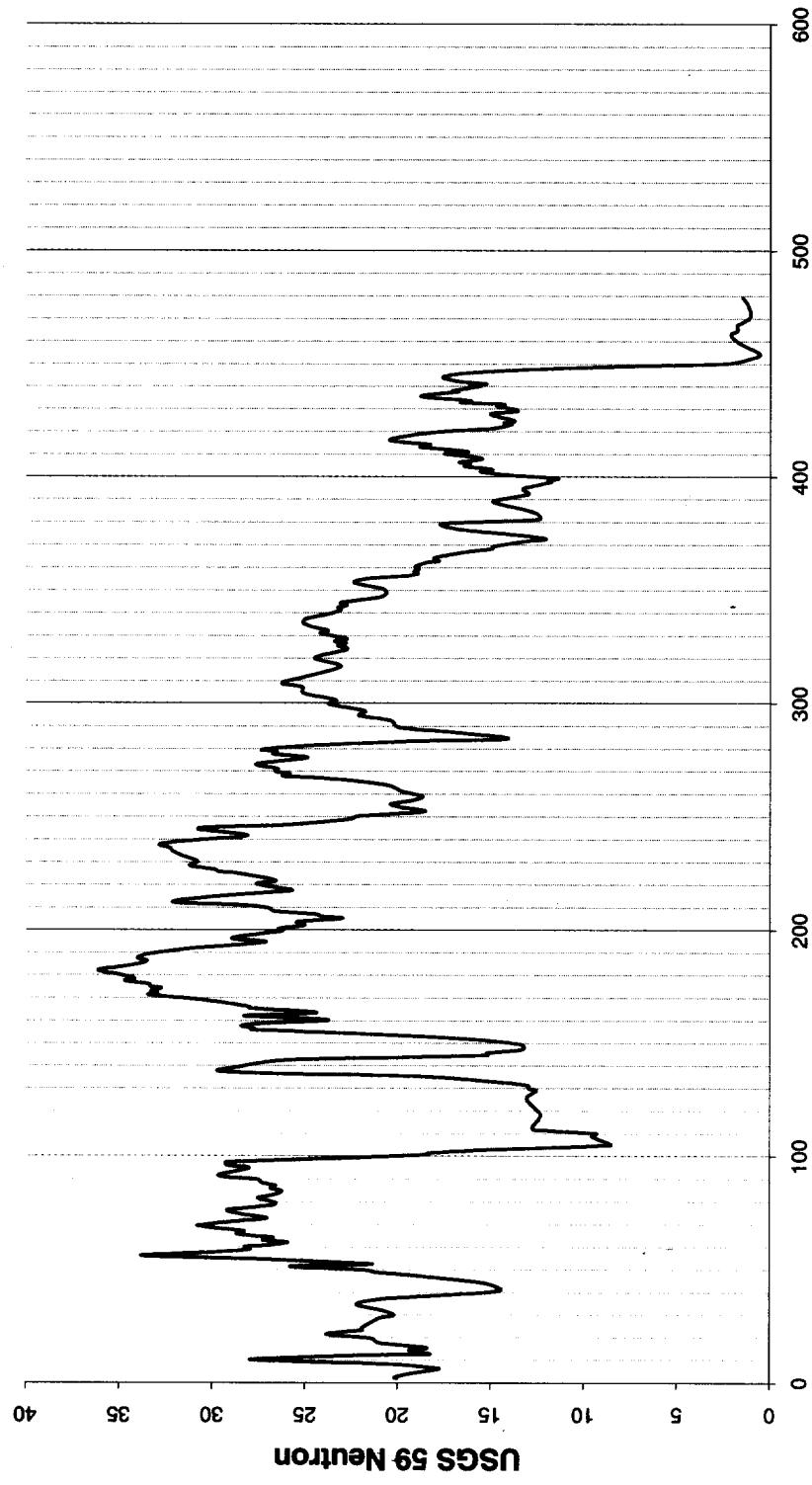
B-209

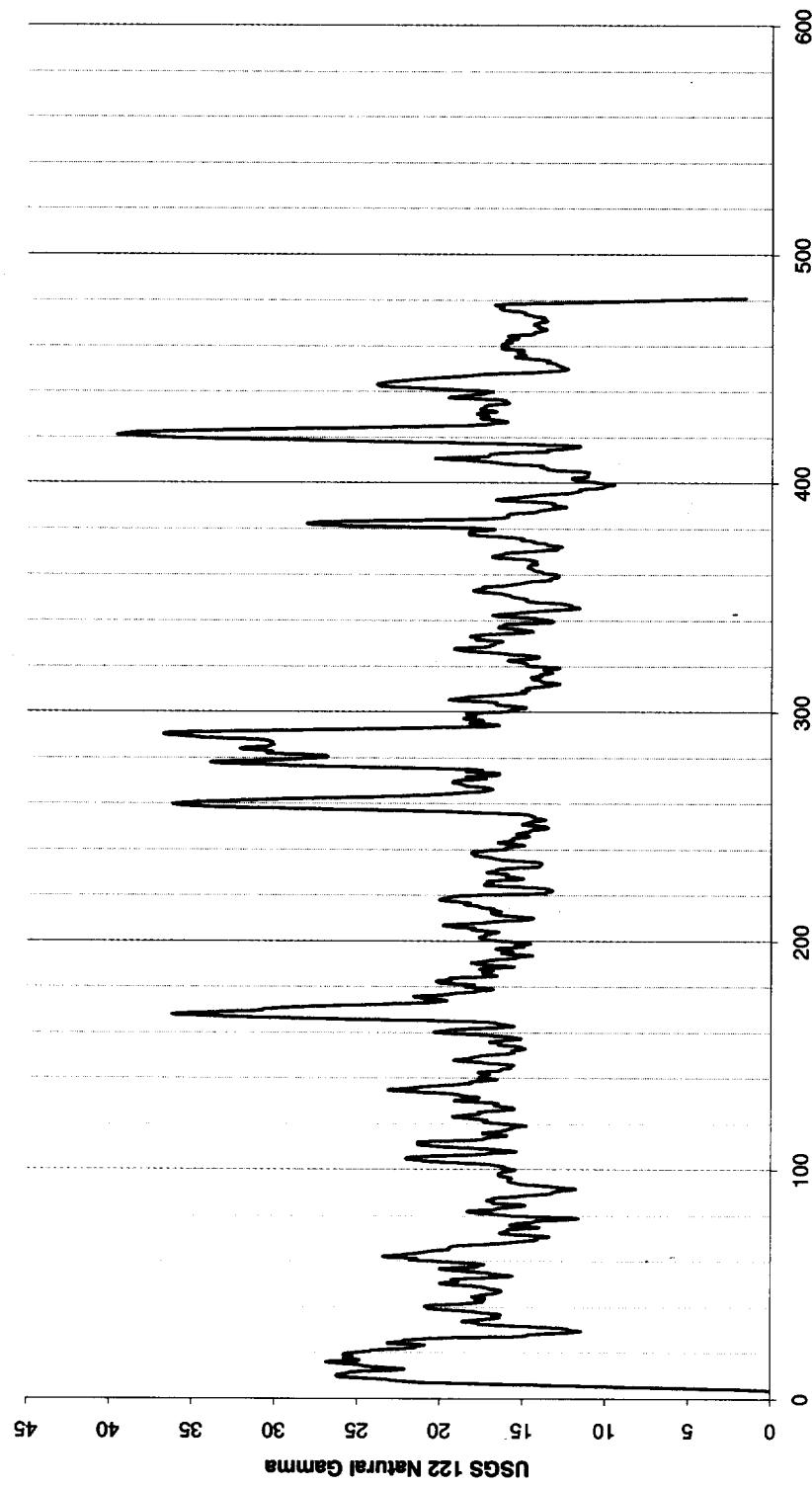


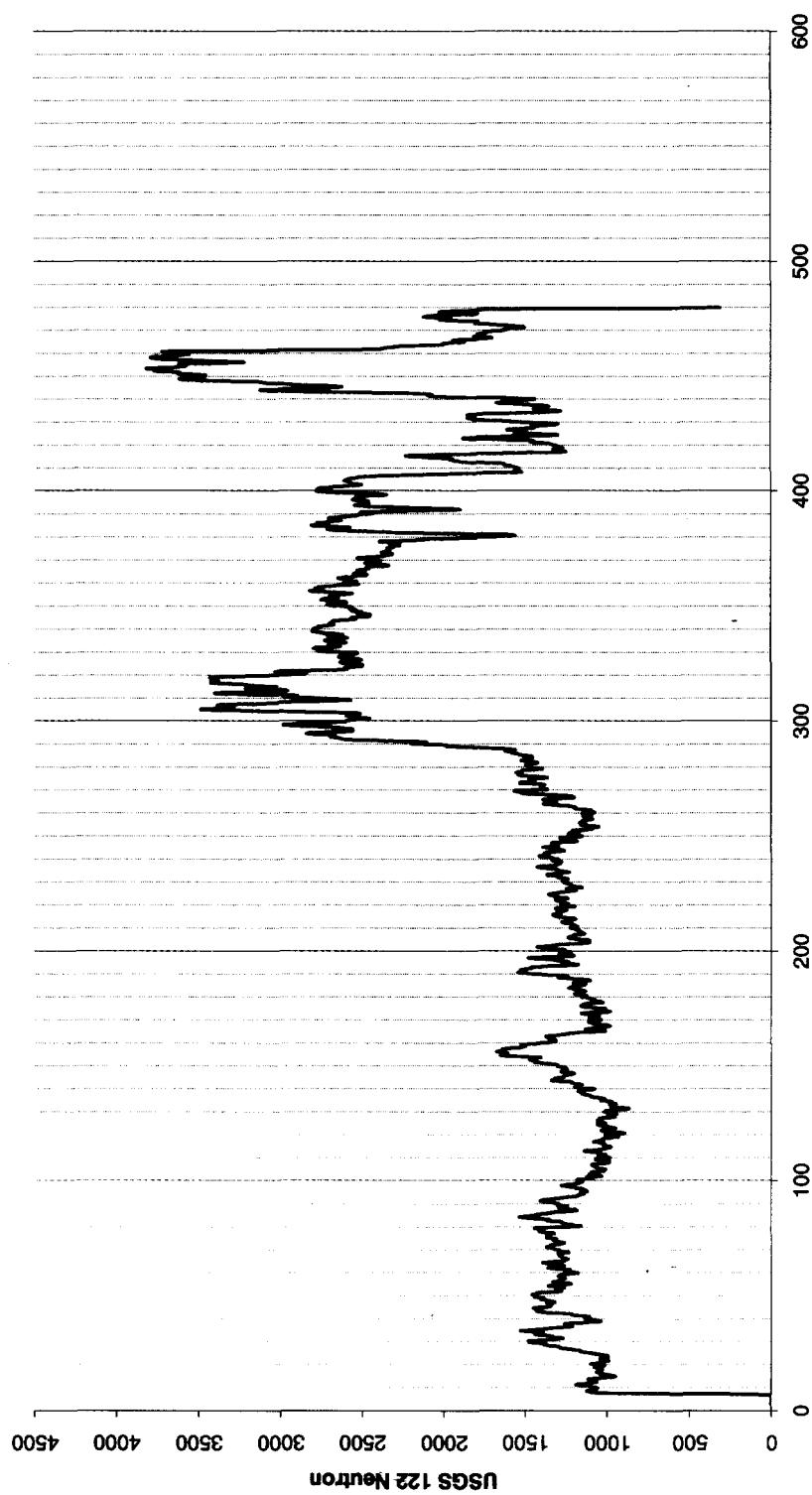












Departures from Anderson

USGS-36

The high natural gamma basalt flow from 41.7 to 53.6 m (137 to 176 ft) bgs was placed on section as CD basalt flow. Anderson divides this unit at 45.7, 48.5, and 51.5 m (150, 159, and 169 ft) bgs, listing flow units C(1), D(1), DE1-2(1), and DE2(1). The unit exhibits the typical gamma signature of the flow referenced herein as the CD flow.

Basalt flow listed on this section from 53.6 to 65.5 m (176 to 215 ft) bgs. Anderson places a flow break at 60 m (197 ft) bgs on a very small deflection in the gamma intensity. Flow break is questionable but possible at the 60-m (197-ft) zone.

Basalt flow 91.1 to 95.1 m (299 to 312 ft) bgs, interbed from 95.1 to 96.6 m (312 to 317 ft) bgs, and basalt flow from 96.6 to 106.7 m (317 to 350 ft) bgs listed on this section. Anderson shows one basalt flow from 91.1 to 106.7 (299 to 350 ft) bgs. The natural gamma log shows a significant increase in the 315-ft-bgs zone, and the driller's log shows this zone as clay.

USGS-50

Flow breaks and interbed depth in the upper 35 m (115 ft) of this construction were taken from the core of corehole CPP-33-2 located 30.5 m (100 ft) to the north of USGS-50. The flow breaks within the core differed slightly from Anderson determinations. The core also revealed an additional flow unit between the alluvium and the upper interbed.

The basalt unit from 35 to 41.1 m (115 to 135 ft) bgs has a higher-than-normal natural gamma count. This unit is referred to as the CD flow unit in this stratigraphic interpretation.

Anderson lists the flow below the 85.3 m (280 ft) bgs interbed as extending from 85.3 to 96.3 m (280 to 316 ft) bgs. However, the driller's log, the neutron log, and the caliper log indicate a flow top at approximately 91.4 m (300 ft). The driller's log records fractured basalt and cinders, the caliper log indicates an opening of the borehole, and the neutron log shows a decreased count. The gamma log does not seem to indicate any increase in natural gamma count at this point, which would be consistent with a cindery, fractured-flow top with no clay infilling. Anderson records the next flow lower as having a top at 96.3 m (316 ft) and its bottom at 111.9 m (367 ft) bgs. For this column, the top of the flow will be indicated at the 91.4 m (300 ft) listed above. The bottom of this flow is clearly visible in downhole video logs at 110 m (361 ft) bgs.

An additional flow was added from the 110 to 111.9 m (361 to 367 ft) bgs listed above. Anderson does show this break at 111.9 m (367 ft) bgs.

The basalt flow indicated by Anderson to lie between 113.1 and 120.1 m (371 and 394 ft) bgs was divided into two flow units. A flow top can be observed in the downhole video log at 116.7 m (383 ft) bgs. All contacts below this are clearly visible in the video log and correspond to Anderson-indicated values.

USGS-51

The high gamma signature basalt flow with nomenclature CD was added from 35.7 to 45.7 m (117 to 150 ft) bgs. This replaces the C(1) D(1) and DE1-2(1) flows of Anderson. This flow often shows

one or two possible divisions based upon the natural gamma logs. However, evaluation of the core indicates that it is a single flow unit.

A flow break was added at 68.6 m (225 ft) bgs. This zone exhibits a natural gamma peak and a neutron low.

The flow break at 105.1 m (345 ft) was deleted. The gamma log may indicate a slight increase at this depth, but no indication of a flow break is evident on the neutron log.

USGS-57

High natural gamma basalt flow from 37.8 to 48.5 m (124 to 159 ft) bgs was placed on this section as CD basalt flow. Anderson divides this unit into two flows and labels them D(1) and DE1-2(1). The unit exhibits the typical elevated gamma signature of the flow referenced herein as the CD flow.

Basalt flow break placed at 55.8 m (183 ft) bgs based on significant increase in gamma log. Anderson places the flow break at 51.8 m (170 ft) bgs; however, no gamma or neutron deflections are evident at that depth.

Basalt flow break placed at 66.4 m (218 ft) bgs based on a significant increase in gamma log and significant decrease in the neutron log at this depth. Anderson places the flow break at 62.2 m (204 ft). Examination of both gamma and neutron log shows no significant deviation at that depth.

Interbed placed in the interval from 94.5 to 97.5 m (310 to 320 ft) bgs. Anderson does not show an interbed in this area; however, a significant increase in the natural gamma log and a decrease in the neutron log occur in this zone. The caliper log also shows an increase in hole diameter at this zone. Additionally, the driller's log indicates clay in this zone.

The flow break at 73.8 m (242 ft) bgs was omitted. The gamma log and the neutron log show no significant deflections at this point. The core from nearby USGS-123 shows no flow break at this depth, with a very similar-appearing gamma and neutron log. This zone (used as the DE5 flow here) shows a reasonably consistent gamma signature and universally high and steady neutron log.

The Anderson-listed basalt flow from 120.1 to 124 m (394 to 407 ft) bgs was dropped. The gamma log shows a very distinct high signature over this zone, while the neutron log shows a low (indicating higher moisture). Additionally, the driller's log records this zone as gravel and as clay and gravel.

USGS-59

The Anderson listed flow break at 25 m (82 ft) bgs was omitted. Although this is a possibility, there appears to be no significant deviation on either the natural gamma log or the neutron log at this depth. The driller's log does indicate a zone of "red cinders" at a depth of approximately 21.3 m (70 ft). The flow break will be placed at this depth. Geophysical evidence is also weak for this zone.

The zone from 88.7 to 117.6 m (291 to 386 ft) is presented as a single flow. This zone appears to be consistent with the coreholes where physical examination of the core was present. The gamma log shows little deviation over this area, and the neutron log shows little moisture. Additionally the caliper log shows this interval to be massive.

USGS-122

An interbed was added per the original geologist's log from 13.1 to 14.3 m (43 to 47 ft) bgs.

An interbed was added per the original geologist's log from 17.1 to 19.2 m (56 to 63 ft) bgs.

Anderson indicates that the zone from 31.4 to 41.4 m (103 to 136 ft) bgs is composed of three individual basalt flows. The geologist's logs show it to be a moderate reddish-brown sand with 12 to 30% gravel and 4 to 12% silt and clay. This unit grades downward into a silty clay, with up to 30% sand and gravel.

The interval from 41.4 to 51.2 m (136 to 168 ft) bgs is indicated to be a basalt from the geologist's log. The gamma log does not show this unit to be the high natural gamma flow unit found at approximately this depth in the boreholes to the west. This unit is therefore not labeled as the CD flow. Examination of other gamma logs from the southeast and eastern edge of INTEC show that the CD unit is absent from this area.

The zone from 51.2 to 53.9 m (168 to 177 ft) bgs is reported as a reddish-brown, silty clay on the geologist's log.

Interbed footage corrected to 84.7 to 86.6 m (278 to 284 ft) bgs based on geologist's log.

The flow unit from 86.6 to 115.8 m (284 to 380 ft) bgs is shown as a single flow based on the comparison of the neutron and gamma logs to the adjacent holes where core was collected. This unit often shows a distinct neutron log high (moisture low), which may be caused by the massive nature of this flow where observed in core.

The zone from 115.8 to 117.9 m (380 to 387 ft) bgs is recorded as an interbed on the geologist's log.

The zone 126.5 to 129.2 m (415 to 424 ft) bgs is reported as an interbed on the geologist's log.

Anderson Stratigraphy Data

Primary name: USGS 36

Altitude of well: 4930 ft

Secondary name: USGS-36	Depth of well: 567 ft
Well location: 03N 29E 25bdd1	Depth of hole: 567 ft
Site Identifier: 433330112565201	Depth of log: 557 ft
Latitude: 433330	County: Butte
Longitude: 1125651	Map: Circular Butte 3 SW

Stratigraphic Unit		Altitude		Depth		Thickness	Layers
Name	Type	Top	Base	Top	Base		
A1(1)	Sed	4930	4914	0	16	16	1
AB(1)	Sed	4914	4900	16	30	14	1
B(1)	Bas	4900	4872	30	58	28	1
B-BC(2)	Sed	4872	4860	58	70	12	1
BC(1)	Bas	4860	4817	70	113	43	2
BC(2)	Bas	4817	4798	113	132	19	1
BC(3)	Sed	4798	4793	132	137	5	1
C(1)	Bas	4793	4780	137	150	13	1
D(1)	Bas	4780	4771	150	159	9	1
DE1-2(1)	Bas	4771	4761	159	169	10	1
DE2(1)	Bas	4761	4754	169	176	7	1
DE2-3(1)	Bas	4754	4733	176	197	21	1
DE3(1)	Bas	4733	4715	197	215	18	2
DE3-4(3)	Bas	4715	4698	215	232	17	1
DE3-4(4)	Bas	4698	4680	232	250	18	1
DE4(1)	Bas	4680	4636	250	294	44	3
DE4-5(1)	Sed	4636	4631	294	299	5	1
DE5(1)	Bas	4631	4580	299	350	51	3
DE5-6(6)	Sed	4580	4568	350	362	12	1
DE6(1)	Sed	4568	4549	362	381	19	2
DE6-7(1)	Sed	4549	4531	381	399	18	1
DE7(1)	Bas	4531	4514	399	416	17	1
DE7-8(1)	Sed	4514	4509	416	421	5	1
DE8(1)	Bas	4509	4466	421	464	43	3
E(1)	Bas	4466	4438	464	492	28	1
EF(1)	Bas	4438	4413	492	517	25	1
FG(1)	Bas	4413	4380	517	550	33	1
G(1)	Bas	4380	<4363	550	>567	>17	1

Primary name: USGS 50

Altitude of well: 4913 ft

Secondary name: USGS-50

Depth of well: 405 ft

Well location: 03N 30E 19cbb1

Depth of hole: 405 ft

Site Identifier: 433419112560201

Depth of log: 397 ft

Latitude: 433419

County: Butte

Longitude: 1125601

Map: Circular Butte 3 SW

Stratigraphic Unit		Altitude		Depth		Thickness	Layers
Name	Type	Top	Base	Top	Base		
Al(1)	Sed	4913	4900	0	13	13	1
AB(1)	Sed	4900	4890	13	23	10	1
B(1)	Sed	4890	4867	23	46	23	1
BC(1)	Bas	4867	4836	46	77	31	2
BC(2)	Bas	4836	4815	77	98	21	1
C(1)	Bas	4815	4804	98	109	11	1
CD(1)	Sed	4804	4796	109	117	8	1
DE1(3)	Bas	4796	4785	117	128	11	1
DE1-2(1)	Bas	4785	4776	128	137	9	1
DE1-2(2)	Sed	4776	4771	137	142	5	1
DE2(1)	Bas	4771	4754	142	159	17	2
DE3(1)	Bas	4754	4724	159	189	30	2
DE3(2)	Sed	4724	4716	189	197	8	1
DE3-4(3)	Bas	4716	4671	197	242	45	2
DE4(1)	Bas	4671	4639	242	274	32	2
DE4-5(1)	Sed	4639	4633	274	280	6	1
DE4-5(3)	Bas	4633	4597	280	316	36	2
DE5(1)	Bas	4597	4546	316	367	51	3
DE5-6(6)	Sed	4546	4542	367	371	4	1
DE6(1)	Bas	4542	4519	371	394	23	2
DE6-7(1)	Sed	4519	4515	394	398	4	1
DE7(1)	Bas	4515	<4508	398	>405	>7	1

Primary name: USGS 51 Altitude of well: 4918 ft
 Secondary name: USGS-51 Depth of well: 659 ft
 Well location: 03N 30E 30bbbb1 Depth of hole: 659 ft
 Site Identifier: 433350112560601 Depth of log: 652 ft
 Latitude: 433350 County: Butte
 Longitude: 1125606 Map: Circular Butte 3 SW

Stratigraphic Unit		Altitude		Depth		Thickness	Layers
Name	Type	Top	Base	Top	Base		
AB(1)	Sed	4918	4910	0	8	8	1
B(1)	Sed	4910	4896	8	22	14	1
B-BC(2)	Sed	4896	4887	22	31	9	1
BC(1)	Bas	4887	4831	31	87	56	2
BC(2)	Bas	4831	4813	87	105	18	1
BC(3)	Sed	4813	4801	105	117	12	1
C(1)	Bas	4801	4790	117	128	11	1
D(1)	Bas	4790	4778	128	140	12	1
DE1-2(1)	Bas	4778	4768	140	150	10	1
DE2(1)	Sed	4768	4758	150	160	10	1
DE2-3(1)	Bas	4758	4745	160	173	13	1
DE3(1)	Bas	4745	4718	173	200	27	2
DE3(2)	Sed	4718	4713	200	205	5	1
DE3-4(3)	Bas	4713	4661	205	257	52	2
DE3-4(4)	Sed	4661	4649	257	269	12	1
DE4(1)	Bas	4649	4627	269	291	22	2
DE4-5(2)	Bas	4627	4591	291	327	36	2
DE4-5(3)	Bas	4591	4573	327	345	18	2
DE5(1)	Bas	4573	4535	345	383	38	3
DE5-6(6)	Sed	4535	4525	383	393	10	1
DE7(1)	Bas	4525	4505	393	413	20	2
DE8(1)	Bas	4505	4463	413	455	42	3
E(1)	Bas	4463	4438	455	480	25	2
EF(1)	Bas	4438	4424	480	494	14	1
F(1)	Bas	4424	4402	494	516	22	1
FG(1)	Bas	4402	4378	516	540	24	1
G(1)	Bas	4378	4357	540	561	21	1
HI(1)	Sed	4357	4353	561	565	4	1
I(1)	Bas	4353	4320	565	598	33	1
I(2)	Bas	4320	<4259	598	>659	>61	2

Primary name: USGS 57	Altitude of well: 4923 ft
Secondary name: USGS-57	Depth of well: 732 ft
Well location: 03N 29E 25abd1	Depth of hole: 732 ft
Site Identifier: 433344112562601	Depth of log: 719 ft
Latitude: 433344	County: Butte
Longitude: 1125626	Map: Circular Butte 3 SW

Stratigraphic Unit		Altitude		Depth		Thickness	Layers
Name	Type	Top	Base	Top	Base		
A(1)	Sed	4923	4916	0	7	7	1
AB(1)	Sed	4916	4903	7	20	13	1
B(1)	Sed	4903	4889	20	34	14	1
B-BC(2)	Sed	4889	4874	34	49	15	1
BC(1)	Bas	4874	4821	49	102	53	2
BC(2)	Bas	4821	4814	102	109	7	1
BC(3)	Sed	4814	4811	109	112	3	1
C(1)	Bas	4811	4799	112	124	12	1
D(1)	Bas	4799	4786	124	137	13	1
DE1-2(1)	Bas	4786	4764	137	159	22	2
DE2(1)	Bas	4764	4753	159	170	11	1
DE2-3(1)	Bas	4753	4745	170	178	8	1
DE3(1)	Bas	4745	4719	178	204	26	2
DE3-4(3)	Bas	4719	4682	204	241	37	2
DE3-4(4)	Bas	4682	4672	241	251	10	1
DE4(1)	Bas	4672	4644	251	279	28	2
DE4-5(2)	Bas	4644	4606	279	317	38	2
DE4-5(3)	Bas	4606	4581	317	342	25	2
DE5(1)	Bas	4581	4536	342	387	45	3
DE5-6(6)	Sed	4536	4529	387	394	7	1
DE7(1)	Bas	4529	4516	394	407	13	2
DE8(1)	Bas	4516	4463	407	460	53	3
E(1)	Bas	4463	4416	460	507	47	2
EF(1)	Bas	4416	4403	507	520	13	1
F(1)	Bas	4403	4388	520	535	15	1
FG(1)	Bas	4388	4369	535	554	19	1
G(1)	Bas	4369	4356	554	567	13	1
HI(1)	Sed	4356	4351	567	572	5	1
I(1)	Bas	4351	4326	572	597	25	1
I(2)	Bas	4326	4256	597	667	70	2
J(1)	Bas	4256	<4191	667	>732	>65	2

Primary name: USGS 59	Altitude of well: 4915 ft
Secondary name: USGS-59	Depth of well: 657 ft
Well location: 03N 30E 30bab1	Depth of hole: 657 ft
Site Identifier: 433354112554701	Depth of log: 657 ft
Latitude: 433354	County: Butte
Longitude: 1125547	Map: Circular Butte 3 SW

Stratigraphic Unit		Altitude	Depth	Thickness		Layers
Name	Type	Top	Base	Top	Base	
AB(1)	Sed	4915	4907	0	8	8
B(1)	Sed	4907	4893	8	22	14
B-BC(3)	Bas	4893	4873	22	42	20
B-BC(4)	Sed	4873	4865	42	50	8
BC(1)	Bas	4865	4833	50	82	32
BC(2)	Bas	4833	4810	82	105	23
BC(3)	Sed	4810	4800	105	115	10
C(1)	Sed	4800	4786	115	129	14
CD(1)	Sed	4786	4782	129	133	4
D(1)	Sed	4782	4775	133	140	7
DE1-2(1)	Bas	4775	4761	140	154	14
DE1-2(2)	Sed	4761	4756	154	159	5
DE2(1)	Bas	4756	4749	159	166	7
DE2-3(1)	Sed	4749	4745	166	170	4
DE3(1)	Bas	4745	4703	170	212	42
DE3-4(3)	Bas	4703	4658	212	257	45
DE3-4(4)	Sed	4658	4644	257	271	14
DE4(1)	Bas	4644	4634	271	281	10
DE4-5(1)	Sed	4634	4624	281	291	10
DE4-5(2)	Bas	4624	4591	291	324	33
DE4-5(3)	Bas	4591	4560	324	355	31
DE5(1)	Bas	4560	4529	355	386	31
DE5-6(6)	Sed	4529	4524	386	391	5
DE7(1)	Bas	4524	4497	391	418	27
DE8(1)	Bas	4497	4457	418	458	40
E(1)	Bas	4457	4438	458	477	19
EF(1)	Bas	4438	4416	477	499	22
F(1)	Bas	4416	4396	499	519	20
FG(1)	Bas	4396	4382	519	533	14
G(1)	Bas	4382	4361	533	554	21
HI(1)	Sed	4361	4357	554	558	4
I(1)	Bas	4357	4338	558	577	19
I(2)	Bas	4338	<4258	577	>657	>80

Primary name: USGS 121

Altitude of well: 4909 ft

Secondary name:

Depth of well: 475 ft

Well location: 03N 30E 18ccc1

Depth of hole: 746 ft

Site Identifier: 433450112560301

Depth of log: 717 ft

Latitude: 433450

County: Butte

Longitude: 1125603

Map: Circular Butte 3 SW

Stratigraphic Unit		Altitude		Depth		Thickness		Layers	
Name	Type	Top	Base	Top	Base				
Al(1)	Sed	4909	4898	0	11			11	1
AB(1)	Sed	4898	4887	11	22			11	1
B(1)	Sed	4887	4880	22	29			7	1
BC(1)	Bas	4880	4858	29	51			22	1
BC(2)	Bas	4858	4825	51	84			33	2
C(1)	Sed	4825	4818	84	91			7	1
DE1(3)	Bas	4818	4783	91	126			35	2
DE1(4)	Sed	4783	4779	126	130			4	1
DE1-2(1)	Bas	4779	4772	130	137			7	1
DE1-2(2)	Sed	4772	4765	137	144			7	1
DE3-4(3)	Bas	4765	4672	144	237			93	3
DE4-5(3)	Bas	4672	4587	237	322			85	3
DE5(1)	Bas	4587	4529	322	380			58	3
DE6(1)	Bas	4529	4515	380	394			14	2
DE7(1)	Sed	4515	4501	394	408			14	1
DE8(1)	Bas	4501	4490	408	419			11	1
DE9(1)	Sed	4490	4483	419	426			7	1
E(1)	Bas	4483	4458	426	451			25	2
EF(1)	Bas	4458	4429	451	480			29	1
FG(1)	Bas	4429	4404	480	505			25	1
G(1)	Bas	4404	4392	505	517			12	1
HI(1)	Sed	4392	4387	517	522			5	1
I(1)	Bas	4387	4342	522	567			45	2
I(2)	Bas	4342	4265	567	644			77	2
IJ(1)	Bas	4265	4232	644	677			33	1
J(1)	Bas	4232	4175	677	734			57	2
K(1)	Sed	4175	<4163	734	>746			>12	1

Primary name: USGS 122	Altitude of well: 4914 ft
Secondary name:	Depth of well: 480 ft
Well location: 03N 30E 30bba2	Depth of hole: 483 ft
Site Identifier: 433353112555201	Depth of log: 481 ft
Latitude: 433353	County: Butte
Longitude: 1125552	Map: Circular Butte 3 SW

Stratigraphic Unit		Altitude		Depth		Thickness		Layers	
Name	Type	Top	Base	Top	Base				
AB(1)	Sed	4914	4904	0	10			10	1
B(1)	Sed	4904	4890	10	24			14	1
B-BC(3)	Bas	4890	4870	24	44			20	1
BC(1)	Bas	4870	4830	44	84			40	2
BC(2)	Bas	4830	4812	84	102			18	1
C(1)	Bas	4812	4798	102	116			14	1
CD(1)	Bas	4798	4792	116	122			6	1
D(1)	Bas	4792	4780	122	134			12	1
DE1-2(1)	Bas	4780	4763	134	151			17	1
DE2(1)	Bas	4763	4751	151	163			12	1
DE2-3(1)	Sed	4751	4738	163	176			13	1
DE3(1)	Bas	4738	4710	176	204			28	2
DE3-4(3)	Bas	4710	4662	204	252			48	2
DE3-4(4)	Sed	4662	4654	252	260			8	1
DE4(1)	Bas	4654	4642	260	272			12	1
DE4-5(1)	Sed	4642	4624	272	290			18	1
DE4-5(2)	Bas	4624	4588	290	326			36	2
DE4-5(3)	Bas	4588	4550	326	364			38	2
DE5(1)	Bas	4550	4500	364	414			50	3
DE5-6(6)	Sed	4500	4495	414	419			5	1
DE7(1)	Bas	4495	4476	419	438			19	2
DE7-8(1)	Sed	4476	4471	438	443			5	1
DE8(1)	Bas	4471	4448	443	466			23	2
DE9(1)	Sed	4448	4443	466	471			5	1
E(1)	Bas	4443	<4431	471	>483			>12	1